ISSN 0018-5280

# Horticultural Abstracts

1988 VOLUME 58 ANNUAL INDEXES

**Includes List of Source Journals**

CAB INTERNATIONAL
MYCOLOGICAL INSTITUTE
LIBRARY
11 APR 1989
448

PUBLISHED BY C·A·B INTERNATIONAL

C·A·B INTERNATIONAL INFORMATION SERVICES
Wallingford, Oxon OX10 8DE, UK
Telephone: Wallingford (0491) 32111
Telex: 847964 (COMAGG G) Fax: (0491) 33508
Telecom Gold/International Dialcom: 84: CAU001
**Director:** J.R. Metcalfe MA, PhD, DIC, DTA
**Deputy Director:** C.P. Ogbourne BSc, PhD
**Head, Marketing & Sales Division:** Elaine Cook BSc, MLS
**Chief Managing Editor (Animal Sciences):** J.D. Turton BSc, MRCVS, DTVM
**Chief Managing Editor (Plant Sciences):** P. Wightman BSc
**Commissioning Editor (Books and Primary Journals):** T.J. Hardwick MA
**Accessions Manager:** Mrs S.P. Smith BA
**Publications Manager:** Mrs E.V. Storrie
**Coordinator, Databank Projects:** Mrs S.G. Dextre Clarke BSc(Chem), MSc(InfSci), FIInfSc

# Horticultural Abstracts

is a monthly journal prepared by the
CAB INTERNATIONAL BUREAU OF HORTICULTURE
AND PLANTATION CROPS

**Managing Editor**
Dr K.K.S. Bhat BSc, MSc, Docteur ès Sciences

**Scientific Information Officers**
D.J. Cousins BSc
J.E.K. Cox BScHort
A.M. Doroszenko BSc, PhD
E.E. Hardman MSc
J.W. Jordan FIL, Kew Cert
A.J. Rendell-Dunn BSc

The Bureau of Horticulture and Plantation Crops (CBHPC) is one of 11 Bureaux belonging to the Information Services of CAB International, a not-for-profit, inter-governmental organization which provides a range of professional services in agriculture and allied disciplines throughout the world.

CBHPC also prepares *Ornamental Horticulture, Cotton and Tropical Fibres Abstracts, Tropical Oil Seeds Abstracts* and *Sorghum and Millets Abstracts.*

For further details of the whole range of CAB International publications and services see back cover.

Orders and enquiries concerning current subscriptions and back numbers of this journal should be sent to the Marketing & Sales Division at the above address.

**Disclaimer**
The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

CAB International does not accept responsibility for any trade advertisement included in this publication.

# Horticultural Abstracts

**Volume 58**

*Prepared by*

**C·A·B INTERNATIONAL**
**BUREAU OF HORTICULTURE AND PLANTATION CROPS**

**1988**

ISSN 0018–5280

© *C·A·B International, 1989*

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise, without the prior permission of the copyright owner.

*published by*

C·A·B International
Wallingford
Oxon OX10 8DE UK

The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

*printed by*

Unwin Brothers Ltd, The Gresham Press, Old Woking, Surrey, UK.

# C·A·B INTERNATIONAL

CAB International (CABI) is a not-for-profit, intergovernmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 28, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

**Information Services**

The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

Agricultural Economics
Animal Breeding & Genetics
Animal Health
Dairy Science & Technology
Nutrition
Pastures & Field Crops
Crop Protection
Horticulture & Plantation Crops
Plant Breeding & Genetics
Soils
Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services worldwide.

**Scientific Services**

CABI's Scientific Services consist of four Institutes and two support services:

*CAB International Institute of Entomology (CIE),* Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

*CAB International Mycological Institute (CMI),* Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

*CAB International Institute of Parasitology (CIP),* Director Dr R. Muller, located at Winches Farm, St. Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

*CAB International Institute of Biological Control (CIBC),* Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

*Development Services* (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

*Library Services,* Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

**Systems**

The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and PAGER for typesetting and information retrieval.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

# C·A·B INTERNATIONAL INFORMATION SERVICES
# PRODUCTS AND SERVICES

Almost 100 scientists/linguists in the 11 Bureaux of CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 10000 serials and many other publications are scanned, and approximately 130000 bibliographic records are compiled each year. From this computerized database is derived a wide range of information services and products in hard copy and machine-readable form, designed to meet a variety of customer needs.

## HARD COPY PRODUCTS

### Abstract journals

The following abstract journals on specific disciplines, specialist crops or products, or particular livestock are published, mostly monthly or quarterly. Each has author and subject indexes, cumulated annually in a special issue of the journal.

**Animal Science and Production**
*Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts & Reviews, Series B–Livestock Feeds & Feeding; Pig News & Information; Poultry Abstracts.*

**Veterinary Science and Parasitic Diseases**
*Animal Disease Occurrence; Helminthological Abstracts, Series A–Animal & Human Helminthology; Index Veterinarius; Protozoological Abstracts; Review of Applied Entomology, Series B–Medical & Veterinary; Review of Medical & Veterinary Mycology; Small Animal Abstracts; Veterinary Bulletin.*

**Crop Science and Production**
*Cotton & Tropical Fibres Abstracts; Crop Physiology Abstracts; Faba Bean Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation & Drainage Abstracts; Lentil Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Growth Regulator Abstracts; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils & Fertilizers; Sorghum & Millets Abstracts; Soyabean Abstracts; Tropical Oil Seeds Abstracts; Wheat, Barley & Triticale Abstracts.*

**Forestry**
*Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.*

**Crop Protection**
*Biocontrol News & Information; Helminthological Abstracts, Series B–Plant Nematology; Review of Applied Entomology, Series A–Agricultural; Review of Plant Pathology; Weed Abstracts.*

**Economics, Development and Sociology**
*Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; Rural Extension, Education & Training Abstracts; World Agricultural Economics & Rural Sociology Abstracts.*

**Machinery and Buildings**
*Agricultural Engineering Abstracts.*

**Human Nutrition**
*Nutrition Abstracts & Review, Series A–Human & Experimental.*

**Biotechnology/Biodeterioration**
*AgBiotech News & Information; Biodeterioration Abstracts.*

Also published is a new series of current awareness publications (CAB Prompts) on specific crops. Subject indexes are not provided. Titles in the series so far are: *Groundnuts* and *Chickpeas/Pigeonpeas*.

Many retrospective compilations of abstracts (Annotated Bibliographies) on various topics are available on demand.

### SDI Service

SDI (Selective Dissemination of Information) is a regular current awareness service based on the most recent input to the database. Subscribers decide their own search profile and receive search results at intervals of their own choice, either as computer printout or on floppy discs suitable for most microcomputers. Airmail ensures fast delivery.

### CAB Alerts

This is a special SDI service providing subscribers each month with the search results from standard profiles chosen by CABI. Numerous titles are available and the list is regularly updated to reflect new subject interests. Output is available on computer printout posted by airmail.

## MACHINE–READABLE PRODUCTS AND SERVICES

### Online Access

The machine-readable database, known as CAB ABSTRACTS, is publicly accessible online through DIALOG Information Services (USA), BRS Information Technologies (USA), ESA-IRS (Italy), DIMDI (GFR), JICST (Japan), CAN-OLE (Canada) and Tsukuba Daigaku (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Online Manual, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1988).

### Magnetic tapes

Organizations with access to mini or mainframe computers may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes as required.

## OTHER PRODUCTS AND SERVICES

### Document Delivery Service

Photocopies of originals of most articles included in the database are available from CABI Library Services, Silwood Park, Ascot, UK. Documents may also be ordered online via DIALOG's DIALORDER or ESA/IRS's PRIMORDIAL.

### Books and serial publications

CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research, Index of Current Research on Pigs, Distribution Maps of Pests, Distribution Maps of Plant Diseases, Bibliography of Systematic Mycology, Descriptions of Pathogenic Fungi & Bacteria, Index of Fungi,* and *Systema Ascomycetum*. CABI is a co-sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts.*

# Horticultural Abstracts

CONTENTS VOLUME 58


| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GENERAL ASPECTS OF RESEARCH AND ITS APPLICATION** | 1 | 81 | 139 | 209 | 283 | 351 | 427 | 505 | 587 | 699 | 885 | 1027 |
| **TEMPERATE TREE FRUITS AND NUTS** | | | | | | | | | | | | |
| Almonds | 6 | 83 | 142 | 212 | 286 | 354 | 432 | 511 | 593 | 705 | 896 | 1035 |
| Apples | 6 | 83 | 142 | 212 | 286 | 354 | 432 | 512 | 594 | 705 | 896 | 1036 |
| Apricots | 10 | 88 | 145 | 218 | 290 | 358 | 436 | 517 | 601 | 710 | 903 | 1043 |
| Cherries | 11 | 88 | 146 | 218 | 291 | 358 | 437 | 517 | 601 | 711 | 904 | 1043 |
| Chestnuts | 11 | – | – | 219 | 292 | – | 437 | 518 | 601 | – | 905 | – |
| Cobnuts and hazelnuts | 11 | 89 | 147 | 219 | – | – | 438 | – | – | 711 | 905 | 1044 |
| Figs | – | – | 147 | 219 | – | 359 | – | – | – | 712 | 905 | 1044 |
| Mulberries | – | – | 147 | 219 | 292 | 359 | 438 | 518 | 601 | – | – | – |
| Peaches and nectarines | 11 | 89 | 147 | 219 | 292 | 359 | 438 | 518 | 602 | 712 | 905 | 1044 |
| Pears | 12 | 90 | 149 | 221 | 295 | 360 | 439 | 520 | 603 | 714 | 907 | 1048 |
| Pecans and hickories | 13 | 91 | 150 | 222 | – | 361 | 439 | 521 | 605 | 714 | 908 | 1049 |
| Pistachios | – | – | 150 | 222 | – | – | – | 521 | – | – | 909 | 1049 |
| Plums, prunes and damsons | 13 | 92 | 150 | 222 | 296 | 361 | 439 | 521 | 605 | 715 | 909 | 1049 |
| Quinces | 14 | 92 | – | 223 | 296 | 361 | 440 | 522 | – | – | – | 1052 |
| Walnuts | 15 | 92 | 150 | 223 | 296 | 361 | 440 | 522 | 606 | – | 909 | 1052 |
| Sundry crops | – | 92 | 151 | 223 | 297 | 362 | 441 | – | 606 | 715 | 910 | 1052 |
| **SMALL FRUITS** | 15 | 92 | 151 | 223 | 297 | 362 | 441 | 522 | 606 | 715 | 910 | 1052 |
| *Actinidia* species | 15 | 92 | 151 | 223 | – | 362 | 441 | – | 606 | 715 | 910 | 1052 |
| Currants | – | – | 151 | 224 | 297 | 362 | 441 | 522 | 607 | 716 | 910 | 1053 |
| Gooseberries | – | – | – | 224 | 297 | – | – | 522 | – | – | 911 | – |
| Minor *Ribes* species | – | – | – | – | – | – | – | – | – | – | – | – |
| Blackberries | 15 | 92 | – | 224 | – | 362 | 441 | 522 | 608 | 716 | 911 | – |
| Raspberries | 15 | 92 | 151 | 224 | 297 | 363 | 442 | 522 | 608 | – | 911 | 1053 |
| Minor *Rubus* species | 16 | – | 152 | 224 | – | – | 442 | – | 608 | – | – | – |
| *Vaccinium* species | 16 | 93 | 152 | 225 | 298 | 363 | 442 | 523 | 608 | 716 | 912 | 1053 |
| Strawberries | 17 | 93 | 152 | 225 | 298 | 363 | 444 | 523 | 609 | 717 | 912 | 1054 |
| Sundry crops | 18 | 94 | 153 | 226 | 300 | 364 | 445 | 525 | 611 | 718 | 914 | 1055 |
| **VITICULTURE** | 18 | 94 | 153 | 227 | 301 | 365 | 445 | 525 | 611 | 718 | 914 | 1055 |
| **VEGETABLES, TEMPERATE, TROPICAL AND GREENHOUSE** | | | | | | | | | | | | |
| **Alliaceae** | 22 | 97 | 156 | 231 | 306 | 369 | 449 | 531 | 617 | 724 | 925 | 1061 |
| Garlic | 22 | 97 | 156 | 231 | 306 | 369 | 449 | 531 | 617 | 724 | 925 | 1061 |
| Leeks | – | – | 156 | 231 | – | 369 | – | 531 | 618 | – | 926 | – |
| Onions | 22 | 97 | 156 | 231 | 306 | 369 | 450 | 531 | 618 | 724 | 926 | 1061 |
| Other Alliaceae | – | – | 158 | 232 | 307 | – | 451 | 531 | 619 | 725 | – | 1062 |
| **Chenopodiaceae** | 24 | 98 | 158 | 232 | 307 | 370 | 451 | 531 | 619 | 725 | 928 | 1062 |
| Beetroots | 24 | 98 | 158 | 232 | 307 | 370 | 451 | 531 | 619 | 725 | 928 | 1062 |
| Spinach | 24 | 98 | 158 | 232 | 307 | 370 | 451 | 532 | 619 | 725 | 928 | 1063 |
| Spinach beets | 24 | – | – | – | – | – | – | – | – | 726 | 930 | 1065 |
| Other Chenopodiaceae | – | – | – | – | – | – | – | – | – | – | – | – |
| **Compositae** | 24 | 98 | 160 | 233 | 308 | 370 | – | 535 | 621 | 726 | 930 | 1065 |
| Artichokes (Jerusalem) | 24 | 98 | – | 233 | 308 | 370 | – | – | 621 | – | 930 | – |
| Artichokes (globe) | 24 | 98 | – | – | 309 | – | 452 | – | – | – | 931 | 1065 |
| Cardoons | – | – | – | – | – | – | – | – | – | – | – | – |
| Chicory | – | 98 | 160 | 233 | 309 | 370 | – | – | 621 | 726 | 931 | 1065 |
| Endives | 25 | – | – | – | – | 371 | – | 535 | 621 | 727 | 931 | 1065 |
| Lettuces | 25 | 98 | 160 | 233 | 309 | 371 | 452 | 535 | 621 | 727 | 931 | 1065 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salsify | – | – | – | – | – | – | – | – | – | – | – | – |
| Scorzonera | – | – | – | – | – | – | – | – | – | – | 931 | 1066 |
| Other Compositae | 26 | – | – | – | – | – | – | – | – | – | – | – |
| **Cruciferae** | 26 | 99 | 161 | 233 | 309 | 371 | 454 | 536 | 623 | 728 | 933 | 1066 |
| Brassicas | 26 | 99 | 161 | 233 | 309 | 371 | 454 | 536 | 623 | 728 | 933 | 1066 |
| Cress | – | 100 | – | – | – | 373 | 456 | 537 | – | – | 937 | – |
| Radishes | 29 | 100 | 162 | 234 | 311 | 373 | 456 | 537 | 626 | 729 | 937 | 1068 |
| Watercress | – | – | – | – | – | – | – | – | – | – | – | – |
| Other Cruciferae | – | – | – | – | – | – | – | – | – | – | – | – |
| **Cucurbitaceae** | 29 | 101 | 163 | 234 | 311 | 373 | 457 | 538 | 626 | 730 | 938 | 1068 |
| **Leguminosae** | 31 | 103 | 166 | 235 | 313 | 375 | 459 | 539 | 631 | 733 | 942 | 1071 |
| Beans *(Phaseolus)* | 31 | 103 | 166 | 235 | 313 | 375 | 459 | 539 | 631 | 733 | 942 | 1071 |
| Beans *(Vicia)* | 32 | 105 | 167 | 237 | 315 | 377 | 464 | 541 | 634 | 735 | 947 | 1074 |
| Beans *(Cyamopsis)* | – | – | 168 | 237 | 315 | – | – | – | – | – | 947 | 1075 |
| Peas | 32 | 106 | 168 | 237 | 315 | 378 | 464 | 541 | 635 | 735 | 948 | 1075 |
| Other Leguminosae | 33 | 108 | 170 | – | – | 381 | 468 | 543 | 641 | 737 | 953 | 1079 |
| **Liliaceae** | 33 | 108 | 170 | – | 317 | 382 | 468 | – | 641 | – | 953 | 1079 |
| Asparagus | 33 | 108 | 170 | – | 317 | 382 | 468 | – | 641 | – | 953 | 1079 |
| Other Liliaceae | – | – | – | – | – | – | – | – | – | – | – | – |
| **Malvaceae** | 34 | 108 | 170 | 238 | – | 382 | 468 | 543 | 642 | 737 | 954 | 1080 |
| Okras | 34 | 108 | 170 | 238 | – | 382 | 468 | 543 | 642 | 737 | 954 | 1080 |
| Other Malvaceae | – | – | – | – | – | – | – | – | – | – | – | – |
| **Polygonaceae** | – | – | – | 238 | – | – | 469 | – | 642 | – | – | – |
| Rhubarb | – | – | – | 238 | – | – | 469 | – | 642 | – | – | – |
| Other Polygonaceae | – | – | – | – | – | – | – | – | – | – | – | – |
| **Solanaceae** | 34 | 109 | 170 | 238 | 317 | 383 | 469 | 544 | 642 | 737 | 954 | 1080 |
| Capsicums | 34 | 109 | 170 | 238 | 317 | 383 | 469 | 544 | 642 | 737 | 954 | 1080 |
| **Aubergines (eggplants)** | 37 | 109 | 170 | 239 | 318 | 384 | 470 | 545 | 644 | 739 | 957 | 1082 |
| Tomatoes | 37 | 109 | 171 | 239 | 318 | 384 | 470 | 545 | 645 | 739 | 957 | 1082 |
| Other Solanaceae | – | 111 | – | – | – | – | – | – | – | 743 | – | – |
| **Umbelliferae** | 42 | 111 | 173 | 242 | 322 | 387 | 475 | 548 | 651 | 743 | 965 | 1088 |
| Carrots | 42 | 111 | 173 | 242 | 322 | 387 | 475 | 548 | 651 | 743 | 965 | 1088 |
| Parsnips | – | – | 174 | – | 323 | 387 | – | – | 652 | – | 966 | 1090 |
| Celery | 43 | 112 | 174 | 242 | 323 | 387 | – | 549 | 652 | 744 | 966 | 1090 |
| Celeriac | – | 112 | – | – | – | 388 | – | – | – | – | – | – |
| Other Umbelliferae | – | 112 | – | – | – | 388 | – | – | – | – | 967 | 1090 |
| **Sundry crops** | 43 | 112 | – | 242 | 324 | 388 | 475 | 549 | 652 | 744 | 967 | 1090 |
| Mushrooms | 43 | – | 174 | 242 | – | 388 | 475 | 550 | 653 | 744 | 967 | 1090 |
| Other fungi | 43 | 113 | 174 | 243 | 324 | 388 | 476 | 550 | 653 | 745 | 968 | 1090 |
| **ORNAMENTAL PLANTS** | | | | | | | | | | | | |
| Antirrhinums | 44 | – | – | – | – | 390 | – | – | – | 746 | 969 | – |
| Carnations and pinks | 44 | 113 | 175 | 244 | – | 390 | 477 | 551 | 655 | 746 | – | 1092 |
| Chrysanthemums | 45 | 114 | 175 | 244 | 324 | 391 | 477 | 551 | 658 | 746 | 969 | 1092 |
| Gerberas | 46 | 114 | – | 245 | – | 391 | – | 552 | 659 | 746 | 970 | 1093 |
| Morning glories | 46 | 114 | – | 245 | 324 | – | – | – | 659 | – | 970 | 1093 |
| Pelargoniums | 46 | 115 | 177 | 245 | 324 | 391 | – | 552 | 659 | 746 | – | 1093 |
| Petunias | 47 | – | 177 | 245 | 324 | 392 | – | – | 660 | – | 971 | 1094 |
| Primulas | – | – | – | 245 | – | 392 | – | – | 660 | 747 | – | – |
| Saintpaulias | 47 | 115 | 177 | – | 325 | – | – | – | – | – | 971 | 1094 |
| Other annual and herbaceous plants | 47 | 115 | 178 | 245 | 325 | 392 | 478 | 553 | 660 | 747 | 971 | 1094 |
| Bulbs, tubers, etc. – general | – | – | – | 246 | 325 | – | 479 | 554 | 662 | – | – | 1094 |
| Anemones | 48 | 116 | 179 | 246 | – | 393 | – | – | – | – | – | – |
| Begonias | 48 | 116 | 179 | – | – | 393 | 479 | 554 | 663 | 749 | 972 | 1095 |
| Crocuses | – | – | – | – | 325 | – | – | – | – | – | – | – |
| Cyclamens | 48 | – | – | 246 | – | 393 | 479 | 554 | 663 | 749 | – | 1095 |
| Dahlias | – | – | – | – | – | – | 479 | – | – | – | – | – |
| Freesias | – | – | – | 246 | – | – | 479 | – | – | 749 | – | 1095 |
| Gladioli | – | – | 179 | 247 | 325 | 393 | – | 554 | 663 | 749 | 973 | 1095 |
| Gloxinias | – | – | – | – | – | – | – | – | 663 | – | – | 1095 |
| Hyacinths | 49 | – | – | 247 | – | – | – | 555 | 663 | 749 | – | 1095 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Irises | – | 117 | 179 | 247 | 325 | 394 | 479 | – | 663 | 750 | 973 | 1096 |
| Lilies | 49 | 117 | 180 | 247 | 326 | 394 | 480 | 555 | 663 | 750 | 973 | 1096 |
| Narcissi | – | – | 180 | 247 | 326 | 394 | 480 | 555 | – | 750 | 974 | 1096 |
| Nerines | 49 | – | – | – | – | – | – | – | – | – | – | – |
| Tulips | 49 | – | 180 | 247 | 326 | 394 | 480 | 555 | 664 | 750 | 974 | 1096 |
| Other bulbs, tubers, etc. | 49 | 117 | 180 | 248 | 326 | 394 | 480 | 556 | 664 | 751 | 974 | 1097 |
| Lawns and turf | 50 | 117 | 181 | 248 | 326 | 395 | 480 | 556 | 664 | 751 | 975 | 1097 |
| Aquatic plants | – | – | – | – | – | – | – | – | 665 | – | 976 | 1098 |
| Bromeliads | – | – | – | – | – | – | – | – | – | – | – | – |
| Other foliage and succulent plants | 51 | 118 | 181 | 249 | 327 | 396 | 481 | 557 | 665 | 751 | 976 | 1098 |
| Orchids | 53 | 118 | 182 | 251 | 328 | 398 | 483 | 558 | 667 | 752 | 978 | 1099 |
| Woody plants – general | 54 | 119 | 183 | 251 | 329 | 399 | 483 | 559 | 667 | 753 | 978 | 1100 |
| Bougainvilleas | – | – | – | – | 329 | – | – | – | – | – | – | – |
| Camellias | 55 | – | 183 | – | 329 | 399 | – | 559 | 668 | – | 979 | 1101 |
| Conifers | 55 | – | – | 251 | – | – | 484 | – | 669 | – | 979 | – |
| Heaths and heathers | – | – | – | – | – | 400 | – | – | – | – | – | 1102 |
| Hollies | – | – | – | – | – | – | – | 559 | – | 753 | – | – |
| Hydrangeas | – | – | 183 | – | – | – | – | – | – | 754 | 979 | 1102 |
| Ivies | 56 | – | – | 251 | – | 400 | – | – | 669 | – | 979 | 1102 |
| Jasmines | – | – | – | – | 329 | – | – | 559 | – | – | 980 | 1102 |
| Lilacs | – | – | – | – | – | 400 | 484 | – | – | – | – | – |
| Magnolias | – | 119 | – | – | – | 400 | – | – | 669 | – | – | – |
| Poinsettias | 56 | – | 183 | 252 | – | 400 | – | 559 | 669 | 754 | 980 | – |
| Rhododendrons and azaleas | 56 | 120 | 184 | 252 | 329 | 400 | 484 | 560 | 669 | 754 | 980 | 1102 |
| Roses | 56 | 120 | 184 | 252 | 330 | 401 | 484 | 560 | 670 | 754 | 980 | 1103 |
| Other woody plants | 57 | 120 | 184 | 253 | 331 | 401 | 485 | 560 | 671 | 755 | 981 | 1103 |
| **MINOR TEMPERATE AND TROPICAL INDUSTRIAL CROPS** | | | | | | | | | | | | |
| Condiment and spice plants | 59 | 121 | 187 | 254 | 331 | 403 | 487 | 562 | 673 | 755 | 982 | 1103 |
| Dye plants | – | 122 | 187 | 255 | 332 | 404 | 488 | 563 | 675 | 756 | – | 1105 |
| Essential oil plants | 60 | 122 | 187 | 255 | 332 | 404 | 488 | 563 | 675 | 756 | 984 | 1105 |
| Hard fibre plants | – | 123 | 188 | 256 | – | – | – | – | – | – | 986 | 1107 |
| Hops | 61 | 123 | 189 | – | 333 | 407 | 489 | 565 | 676 | 758 | 986 | – |
| Insecticidal and other pesticidal plants | 61 | 124 | 189 | 257 | 333 | 407 | 489 | 566 | 676 | 758 | 986 | 1107 |
| Medicinal plants | 61 | 124 | 189 | 257 | 333 | 408 | 490 | 566 | 676 | 759 | 987 | 1108 |
| Perennial fatty oil plants | – | 132 | 196 | – | 340 | – | 494 | – | 683 | 767 | 996 | 1117 |
| Sundry plants | 69 | 132 | 196 | 267 | 341 | 417 | 494 | 573 | 684 | 767 | 1001 | 1119 |
| **SUBTROPICAL FRUIT AND PLANTATION CROPS** | | | | | | | | | | | | |
| Avocados | 70 | 132 | 197 | 268 | 341 | 417 | 495 | 574 | 684 | 768 | 1002 | 1119 |
| Carobs | – | – | – | – | – | – | – | – | 684 | – | – | – |
| Citrus | 70 | 132 | 197 | 273 | 341 | 417 | 495 | 576 | 684 | 768 | 1003 | 1119 |
| Dates | 72 | – | 200 | 275 | 344 | 420 | 497 | – | 686 | – | 1007 | 1123 |
| Feijoas | – | 134 | – | – | – | 420 | – | 578 | 687 | 770 | – | – |
| Litchis | 72 | – | – | 275 | 345 | 420 | 497 | 578 | 687 | 770 | 1007 | 1123 |
| Longans | – | – | – | 276 | – | – | – | – | 687 | – | – | – |
| Loquats | – | – | – | – | 345 | – | – | – | – | 771 | – | 1123 |
| Macadamias | 72 | 134 | 200 | 276 | – | – | 497 | – | – | 771 | – | 1123 |
| Olives | 73 | 135 | 201 | 276 | 345 | 421 | 497 | 578 | 687 | 771 | 1008 | 1123 |
| Passion fruits | 74 | – | 201 | – | – | 421 | – | – | 688 | – | 1009 | – |
| Persimmons | 74 | 135 | 201 | – | 345 | 421 | 498 | 578 | 688 | 772 | 1009 | 1125 |
| Pomegranates | – | 135 | – | 277 | 345 | – | – | – | 688 | 772 | – | 1125 |
| Prickly pears | 74 | – | – | – | – | 421 | – | 578 | – | – | – | – |
| Tamarillos | – | – | – | – | – | 421 | – | – | – | – | 1009 | – |
| Tung | – | 135 | 201 | 277 | – | – | 498 | – | 688 | – | – | – |
| Sundry crops | – | 135 | 201 | – | – | 421 | – | 579 | 689 | 772 | 1009 | 1125 |

**TROPICAL FRUIT AND PLANTATION CROPS**


| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Annona* species | 74 | 135 | – | – | 346 | – | 498 | – | 689 | 772 | 1009 | 1126 |
| *Areca* species | – | – | 201 | – | 346 | 422 | – | – | 689 | 772 | – | 1126 |
| *Artocarpus* species | 75 | – | – | – | 346 | – | 498 | – | 689 | 773 | 1010 | – |
| Bananas and abaca | 75 | 135 | 201 | 277 | 346 | 422 | 498 | 579 | 689 | 773 | 1010 | 1126 |
| Cashews | – | – | 202 | – | – | 422 | 499 | – | 690 | – | 1011 | 1127 |
| Cocoa | 75 | 136 | 202 | 278 | 346 | 422 | 499 | 579 | 690 | 774 | 1011 | 1127 |
| Coconuts | 75 | – | – | 278 | 347 | 422 | 499 | 580 | 692 | 774 | 1014 | 1130 |
| Coffee | 76 | 136 | 202 | 278 | 347 | 423 | 500 | 580 | 692 | 774 | 1015 | 1131 |
| Cola | – | – | – | 278 | – | – | – | – | – | 775 | – | – |
| Guavas | 76 | – | – | 278 | 347 | – | 500 | 580 | 693 | 775 | 1016 | 1131 |
| Mangoes | 76 | 136 | 203 | 279 | 347 | 423 | 500 | 581 | 693 | 775 | 1017 | 1132 |
| Oil palms | – | 136 | 203 | 279 | 347 | 423 | 501 | 582 | 694 | – | 1018 | 1133 |
| Pawpaws | 77 | 136 | 203 | 279 | 348 | 424 | 501 | 582 | 694 | 776 | 1019 | 1134 |
| Pineapples | 77 | – | 204 | 279 | 348 | – | – | 583 | 694 | 776 | 1019 | 1134 |
| Rubber *(Hevea)* | 78 | 136 | 204 | 279 | 348 | 424 | – | – | 695 | 777 | 1019 | 1134 |
| Sapodillas | – | – | 204 | – | – | – | – | – | 695 | – | – | – |
| Sugarcane | 78 | 137 | 204 | 279 | 348 | 424 | 501 | 583 | 695 | 777 | 1021 | 1134 |
| Tea | 79 | 138 | 206 | 280 | 349 | 424 | 502 | 585 | 697 | 778 | 1023 | 1137 |
| *Ziziphus* species | 79 | – | 207 | – | 350 | 426 | – | 585 | 698 | 778 | 1025 | 1138 |
| Sundry crops | 79 | 138 | 207 | 280 | 350 | 426 | 502 | 586 | 698 | 778 | 1025 | 1138 |

AUTHOR INDEX ..... 1139

SUBJECT INDEX ..... 1189

**List of source journals** ..... i

# C·A·B INTERNATIONAL
# BUREAU OF HORTICULTURE AND PLANTATION CROPS

## WALLINGFORD, OXON, OX10 8DE, UK

Tel. Wallingford (0491) 32111



**Staff**

*Managing Editor*
K.K.S. Bhat, BSc, MSc, Docteur ès Sciences

*Scientific Information Officers*
D.J. Cousins, BSc
J.E.K. Cox, BScHort
A.M. Doroszenko, BSc, PhD
E. Hardman, MSc
J.W. Jordan, FIL, Kew Cert
A.J. Rendell-Dunn, BSc


**SYMBOLS FOR UNITS**

| *Symbol* | *Unit or Prefix* | *Symbol* | *Unit or Prefix* | *Symbol* | *Unit or Prefix* |
|---|---|---|---|---|---|
| a | are ($10^2m^2$) | ft | foot (feet) | μ− | micro- ($\times10^{-6}$) |
| a− | atto- ($\times10^{-18}$) | g | gramme | min | minute (time) |
| A | ampere | $g_n$ | standard gravity | ′ | minute (angle) |
| Å | angstrom | gal | gallon | mol | mole |
| atm | standard atmosphere | G- | giga- ($\times10^9$) | n- | nano- ($\times10^{-9}$) |
| Btu | British thermal unit | Gy | gray | N | newton |
| bu | bushel | H | henry | Ω | ohm |
| C | coulomb | h | hour | oz | ounce |
| c- | centi- ($\times10^{-2}$) | h- | hecto- ($\times10^2$) | p- | pico- ($\times10^{-12}$) |
| °C | degree Celsius | ha | hectare ($10^4m^2$) | Pa | pascal |
| cal | calorie | hkg | hectokilogram ($10^2kg$) | q | quintal |
| Cd | candela | hp | horsepower | qt | quart |
| Ci | curie | Hz | hertz | R | Roentgen |
| ctl | cental | J | joule | rad | radiation absorbed dose |
| cwt | hundredweight | k- | kilo- ($\times10^3$) | ″ | second (angle) |
| d | day | K | kelvin | s | second (time) |
| d- | deci- ($\times10^{-1}$) | $K_m$ | Michaelis constant | sr | steradian (solid angle) |
| da- | deca- ($\times10$) | lb | pound | t | tonne |
| dB | decibel | lbf | pound-force | T- | tera- ($\times10^{12}$) |
| ° | degree (angle) | lm | lumen | T | tesla |
| E | einstein | lx | lux | V | volt |
| f- | femto- ($\times10^{-15}$) | m | metre | W | watt |
| F | farad | m- | milli- ($\times10^{-3}$) | Wb | weber |
| °F | degree Fahrenheit | M- | mega- ($\times10^6$) | yd | yard |
| fl oz | fluid ounce | | | | |

**SYMBOLS FOR LANGUAGES**

| | | | | | |
|---|---|---|---|---|---|
| Af | Afrikaans | Fi | Finnish | Nl | Dutch and Flemish |
| Al | Albanian | Fr | French | No | Norwegian |
| Ar | Arabic | Gr | Greek | Pe | Persian |
| Az | Azerbaijan | He | Hebrew | Pl | Polish |
| Be | Byelorussian | Hu | Hungarian | Pt | Portuguese |
| Bg | Bulgarian | Ia | Interlingua | Ro | Romanian |
| Ch | Chinese | In | Indonesian | Ru | Russian |
| Cr | Croat | It | Italian | Sh | Serbo-Croat |
| Cs | Czech | Ja | Japanese | Sk | Slovak |
| Da | Danish | Ko | Korean | Sn | Slovene |
| De | German | La | Latin | Sv | Swedish |
| Ee | Estonian | Li | Lithuanian | Ta | Tajik/Tadzhik |
| En | English | Lv | Latvian | Tr | Turkish |
| Eo | Esperanto | Ma | Macedonian | Uk | Ukrainian |
| Es | Spanish | My | Malay/Bahasamalysia | | |

Symbols with capitals represent the language of the paper; symbols without capitals the summaries.

# AUTHOR INDEX


Aalbersberg, W. 6640
Aalberts, J. W. 5810
Aaldering, T. 229
Aartrijk, J. van 3570, 5027
Aasen, A. J. 9109
Abad, M. 8887
Abadia, J. 5482
Abalde, J. 8057
Abarca, A. 2782-2783
Abawi, G. S. 5647
Abbas, I. R. 7614
Abbas, M. F. 6360
Abbas, S. 4898
Abbass, A. S. 86, 5509
Abbink, A. 7866
Abbott, J. D. 133-134, 826
Abd Allah, G. 1718
Abd El Aal, M. H. 3946
Abd-Elnaim, E. M. 6248
Abdalla, K. M. 2527-2529
Abdalla, O. M. 6820
Abdalla, S. S. 1107
Abdallah, N. 2430
Abdallah, S. A. 5140
Abdel-Baky, A. M. 6229
Abdel-Ghaffar, A. S. 2866
Abdel-Hafez, O. M. 315
Abdel-Raheem, M. H. 6229
Abdel-Rahik, M. 5283
Abdul, K. S. 5852
Abdul-Ghani, A. S. 3071, 4526
Abdul Jabbar 3775
Abdul Khader 7068
Abdul Khader, J. B. M. M. D. 2941
Abdul Khader, M. 7949
Abdul Malik 3758
Abdul Qasim Khan 3758
Abdullaev, I. K. 828, 838, 2757
Abdullaev, N. D. 2954, 3027, 3051, 3095, 3714, 3790, 9147
Abdullaev, U. A. 4003
Abdullaeva, Kh. T. 5863
Abdusamatov, A. 1106, 3090
Abdykalykov, M. A. 3068
Abe, F. 2325, 2362, 3639, 5176-5177
Abe, J. 7699
Abe, K. 2363
Abe, S. 894
Abebe, W. 2329
Abed, F. A. 1739
Abegaz, B. 5189
Abeger, A. 594, 6112
Abel, G. 510
Abela, V. 1816
Abeles, F. B. 877
Abeysekera, R. M. 4755
Abhay Kumar 515
Abia, J. A. 5730
Abidi, A. B. 2086, 4555, 7037, 8785, 9280
Abo, K. A. 6195
Abo-Elata, U. 8188
Abo-Rady, M. D. K. 1206, 9278
Abou Dahab, A. M. 2312
Abou-Mandour, A. A. 2443
Abou-Rawash, M. 7278
Abou-Shâar, M. 8900
Abou-Zaid, M. M. 1105
Abouamer, K. 1739
Aboul-Nasr, M. B. 9125
Aboutabl, E. A. 1673
Abraham, J. 3658, 5302
Abraham, M. S. 8311
Abraham, W. R. 5124
Abraham, Z. 1691
Abramovich, R. 8150
Abrantes Rodríguez, I. 1854
Abreu, J. M. de 4589
Absar, N. 6168
Abu-Baker, S. M. 316
Abu-Irmaileh, B. E. 8395
Abu-Mustafa, E. A. 315
Abu Zarga, M. H. 1085, 1137
Abubakirov, N. K. 3027-3028, 3106, 3364, 3725-3726, 3790, 3804-3805, 6910, 6916-6917, 8020, 8054
Aburada, M. 1173, 2327, 3803
Academy of Plant Sciences, India 3906
Accati Garibaldi, E. 1594-1595, 7849
Achenbach, H. 6919, 6988
Achour, K. 4620
Acker, J. H. 8576
Ackerman, A. 2210
Ackermann, S. 7936
Açıkgöz, S. 4201
Acton, N. 2346, 3724
Adam, G. 3807
Adamicki, F. 7490
Adamo, A. 4476, 5158
Adamović, D. 4458
Adams, A. J. 251, 646, 914, 5489
Adams, G. 2626
Adams, W. W., III 3596
Adamyan, A. Kh. 2785
Adaros, G. 4913
Addae-Kagyah, K. A. 8296
Addaickan, S. 8357-8358
Addy, M. E. 2379
Addy, S. K. 1762
Ade, G. 4087
Adegbola, M. O. K. 8254
Adegoroye, A. S. 350, 8912
Adeishvili, N. I. 3853
Adekenov, S. M. 3068
Adesina, S. K. 1693, 5178
Adesipe, F. A. 285
Adesogan, E. K. 9209
Adewunmi, C. O. 6148
Adhikari, K. S. 1960
Adigun, J. A. 3478
Adinolfi, M. 1150
Adisa, V. A. 6712
Adityachaudhury, N. 1765, 4515
Adler, P. R. 327, 965, 2921
Adolph, R. 8108
Adriansen, E. 3650
Adrichem, P. C. C. van 8741
Adu-Ampomah, Y. 8248-8249
Adzet, T. 871
Aerny, J. 8660
Afanaskīna, I. P. 4050, 6520
Affeldt, H. A., Jr. 1323, 8522-8523
Afza, R. 8248-8249
Agafonov, O. A. 2566
Agafonova, V. N. 2741
Agamalian, H. S. 4060
Agapova, M. V. 8510
Agarwal, M. L. 4971
Agarwal, P. 8059
Agarwal, P. K. 9251
Agarwal, R. 1162
Agarwal, S. 9193
Agarwal, S. K. 1133, 5117, 9154
Agarwala, R. K. 8489-8490
Agarwala, S. C. 8813
Agata, I. 1091, 1212
Ageel, A. M. 723, 3655, 6186
Ageev, V. V. 274
Ager, P. L. 812, 7320
Aggarwal, P. 616
Agier, C. 6166
Agnihotri, J. P. 9052
Agnihotri, S. 8902
Agnihotri, V. K. 543, 3718
Agnisetta, N. 5541
Agosti, R. D. 3367
Agrawal, M. 1493
Agrawal, P. K. 8018
Agrawal, R. 6886
Agrawal, S. B. 1493
Agrawal, U. S. 1523
Agrawal, V. K. 8046
Agudelo-Silva, F. 3233, 8453
Agüera, J. 7195, 8221
Aguero, K. 3807
Aguero, M. S. 8796
Aguiar, Z. E. 6983
Aguila, J. F. 8417, 8946
Aguila-Sancho, J. F. 8417, 8946
Aguila-Vila, J. 8946
Aguilar, A. 642
Aguilar, J. A. E. 6325
Aguilar Villalvilla, A. 5255
Agundez, J. 535
Aguwa, C. N. 3089, 4480, 6178
Agzamova, M. A. 3725
Ahenkorah, Y. 3171
Ahlawat, V. P. 2072, 4582, 5309, 5315, 8653
Ahlstrand, G. G. 5686
Ahluwalia, K. K. 6699
Ahluwalia, V. K. 4983
Ahmad, A. 3457, 5115
Ahmad, B. 1208
Ahmad, F. 9068
Ahmad, I. 1162
Ahmad, M. 1162, 2365, 3120, 3149
Ahmad, M. S. 8206
Ahmad, R. 5229
Ahmad, S. 5236, 7000
Ahmad, S. S. 614
Ahmad, V. U. 2214, 2367, 2394, 3765, 6192, 6209, 8049, 8119
Ahmad, Y. 615, 1129
Ahmad, Z. A. 3777
Ahmad Tarmizi Mohammed 8300
Ahmed, A. 5157
Ahmed, B. 5165
Ahmed, D. 8033, 9129
Ahmed, F. 2562
Ahmed, H. A. 3544, 7836
Ahmed, H. S. 1206
Ahmed, I. 1865
Ahmed, M. K. 5843
Ahmed, N. 609
Ahmed, N. U. 7462
Ahmed, R. 3683
Ahmed, S. U. 7741, 8877, 8895
Ahmedullah, M. 4809, 7406
Ahn, B. Z. 8087
Ahn, C. S. 3560
Ahn, H. K. 5352
Ahn, S. D. 8085
Ahrens, M. J. 3841
Ahrens, W. H. 6770
Ahuja, P. S. 4528, 6974
Ai, C. B. 9197
Aiello, N. 6882, 6952
Aimi, N. 1097, 3763
Airaksinen, M. M. 1094, 1269
Airyanov, V. 99
Aiyasamy, N. 3181
Ajabnoor, M. A. 2427, 4527
Ajay Singh 4555, 7037, 9280
Ajmer Singh 8538
Ajri, D. S. 5643, 6714, 8718, 8840, 8862
Akagi, M. 3757
Akah, P. A. 1775, 5168
Akazawa, T. 6660
Akbar, S. 2375
Akbari, H. 8940
Akehurst, A. A. 7635
Åkerlund, H. E. 8696
Akerman, M. 8166
Akers, S. W. 426, 7319, 7958
Akgün, A. 5103
Akhila, A. 516, 569, 4462
Akhmatova, Z. P. 1996
Akhmedi, P. G. 7291
Akhter, M. P. 7171, 8413
Akiba, F. 5862
Akihisa, T. 2366, 4204, 5179
Akimov, Yu. A. 3726, 4474, 6917
Akimova, T. V. 4970
Akin, T. 9145
Akinaga, T. 8673
Akinwumi, C. 1699
Akinyemi, R. F. 7749
Akisue, G. 6895
Akisue, M. K. 6895
Akiyama, K. 2374
Akiyama, Y. 3205
Akın, T. 5163
Akopyan, G. A. 5588
Akram, M. 3105, 8100
Aksoy, U. 8528
Akubue, P. I. 2432
Akulov, A. S. 4270
Akunyili, D. N. 2432
Al-Ackhal, I. 660
Al-Ani, A. M. 335
Al-Ani, R. F. 6360
Al-Atabee, J. S. 1586
Al-Attar, A. A. 1812
Al-Azharia, J. S. 3206
Al-Badr, A. A. 4343
Al-Bassomy, M. A. 7724
Al-Deen, I. H. S. 4343
Al-Dolimy, I. M. 335
Al-Douri, N. A. 4360
Al-Dujaili, J. A. 171
Al-Dujaili, J. A. H. 150
Al-Eisawi, D. M. 1137
Al-Hassan, G. 8058
Al-Hendi, A. A. 5900, 7765
Al-Hiti, M. M. 9196
Al-Juboory, K. H. 171
Al-Karaghouli, A. A. 8405
Al-Khafaji, M. A. 171
Al-Khalil, S. 4526
Al-Khamis, K. I. 3655, 6186
Al-Marsafy, H. T. 4236
Al-Meshal, I. A. 5173
Al-Naama, M. M. 5939
Al-Niami, J. H. 6360
Al-Obaedi, J. F. W. 3698
Al-Omari, M. M. 1080
Al-Rashid, M. 8753
Al-Saghir, A. R. 666
Al-Said, M. A. 6186
Al-Said, M. S. 3655
Al-Samariee, A. I. 7724
Al-Whaibi, M. H. 660
Al-Yahya, M. A. 723
Al-Zaghal, K. 669
Ala-Fossi-Salokangas, L. 1269
Aladesanmi, A. J. 6942
Alad'ina, N. G. 6932
Alagarda, J. 7548
Alagawadi, K. R. 9132
Alagianagalingam, M. N. 4289
Alam, M. 9127
Alam, M. M. 1696, 7457, 8001
Alam, M. N. 4521
Alam, M. Z. 8761
Alan, R. 8752
Alang, Z. C. 5324
Alarcón, C. 4951
Alarcón de la Lastra, C. 519, 1178
Alas, R. A. las de 749
Alavoine, F. 3908

Alba, I. 6487
Alberts, A. J. 1825
Albertse, G. J. J. 2774
Albery, W. J. 7763
Alborn, H. 1685
Albrecht, M. L. 1012, 2383
Albreghts, E. E. 4770
Albregts, E. A. 4062
Albright, L. D. 7519
Albroscheit, G. 8004
Albuquerque, F. C. 8336-8337
Albuquerque, J. A. S. de 833, 854
Albuquerque, T. C. S. de 833
Alcaraz, C. F. 299-304, 653
Alcaraz, M. J. 6162
Alderson, P. G. 3626, 4376, 4439, 4612, 4627
Aldinger, S. B. 3873
Aldini, A. 6498
Aldon, M. J. 1303
Aldrich, J. H. 112
Aldrich, R. A. 4643
Aldrufeu, A. 3550, 3597
Aleksandrov, A. 4725, 5488
Aleksandrov, P. 483
Aleksandrova, A. Z. 5791
Aleksandrova, I. N. 875
Aleksanyan, D. S. 2165, 2310
Alekseev, R. V. 972
Alekseeva, Kh. A. 1642
Alekseeva, M. V. 3461
Alekseeva, N. M. 4031
Alekseeva, S. A. 751
Alemany, J. 7467
Aleong, J. 4688
Alex, H. 414
Alexander, A. 7120, 7174
Alexander, P. W. 7951
Alexandre, J. 2098
Alexandre, M. A. V. 7996
Alexandrescu, I. 6552, 6559
Alfaro, B. 2565
Alfermann, A. W. 9139
Alfiler, A. R. 8261
Alford, A. R. 9091
Algernon, O. 5167
Alhallaq, H. H. 1739
Ali, A. A. 1071, 4112, 6820
Ali, E. 2342, 4446, 8019
Ali, I. 561
Ali, M. 3118, 5198, 8450
Ali, M. S. 2394
Ali, N. 2380
Ali, N. M. 1080
Ali, R. 8450
Ali, W. M. 9196
Ali, Y. E. 2360
Ali, Z. E. 5879
Ali, Z. M. 4167-4168
Alibalić, Š. 641
Aliberti, C. 7432
Aliev, Sh. A. 4447
Alikaridis, F. 2392
Alink, G. J. 5466
Alioto, D. 5671, 7772
Alivizatos, A. S. 5910, 5994
Aljaro U., A. 3476-3477
Alka Pant 7975
Alkhimova, E. G. 5219
Alkoshab, O. 7290
Allakhverdiev, S. I. 5812
Allam, K. 1099
Allan, E. F. 2850
Allan, E. J. 6931, 6973
Allan, P. 2020, 7316
Allaudeen, H. S. 1093
Allen, A. K. 1627, 8968
Allen, J. F. 2875
Allen, J. J. 2821
Allen, L. H. 3142
Allen, L. H., Jr. 1193
Allen, P. 650
Allen, R. N. 7635
Allen, S. 7630
Allen, S. G. 1786
Aller, P. 8687
Allerup, S. 444
Alles, W. S. 2546
Alli, I. 707
Allison, M. L. 793, 798
Allred, D. R. 3439
Allsopp, P. G. 5340
Alluf, S. 1194
Almagboul, A. Z. 6163
Almandoz, J. 8237
Almeida, D. L. de 4212
Almeida, H. A. de 8258
Almela, V. 3839
Almodóvar-Vega, L. 4939
Almodóver, L. 5882
Alomía de Gutierrez, B. 4585
Aloni, B. 2150
Alonso, O. 8336-8337
Alonso S., E. 2657
Alpert, K. 3632
Alpízar, L. 8250-8251
Alsaidi, I. H. 7382
Alsbury, J. 6093
Alscher, R. 4925
Al'shevtseva, L. I. 4058
Alspach, P. A. 6512
Alston, A. M. 932
Alström, S. 4871
Alt, D. 2082, 5626
Altamirano, M. 3112
Altena, K. 308
Altenburger, R. 6108-6109
Altman, S. A. 256
Altvater-Mackensen, R. 8701
Alvarado, S. R. 2333
Alvarez, A. 1293, 8946
Alvarez, A. M. 5329, 7088
Alvarez, C. E. 1045
Alvarez, E. 1709
Alvarez, L. 9084
Alvarez, P. 6380
Alvarez Fernandez, J. 4482
Alvarez González, C. E. 6323
Alvi, K. A. 8119
Alvim, P. de. T. 9317
Alvim, R. 6293, 6296
Alvino, A. 5781
Alwan, T. A. 5895
Aly, Y. 9162, 9175
Amado, T. J. C. 4833
Amador, A. M. 26
Amagasa, T. 997
Amagaya, S. 1737
Amaki, W. 392
Amann, H. 6558
Amann, M. 1715
Amar Chandra 290
Amar Singh 7861
Amarasekera, A. R. 8346, 8352, 8354
Amăriuței, A. 4151
Ambedkar, J. S. 5643
Amber, A.-ur-R. 8049
Amberger-Ochsenbauer, S. 7839
Ambid, C. 1384
Ambler, J. 5920
Amborn, U. 5580
Amefia, Y. K. 2551
Amelin, A. V. 4239
Amer, F. 4914
Amer, M. M. S. 5175
Amer, S. A. A. 5140
Americanos, P. G. 232
Amerongen, H. van 5810
Ames, T. 3963
Amico, V. 6187
Amikiev, V. V. 5791
Amin, M. 9201
Amin, R. 3071, 4526
Amiot, M. J. 3860
Amma, M. K. 8317
Amma, P. G. K. 5302
Amma, S. P. 8240
Ammar, N. M. 6171
Ammerlaan, A. W. S. 3469
Ammon, H. L. 8030
Ammon, H. P. T. 1075
Amor, F. del 5422
Amor Morales, A. 6904
Amorim, L. 1274
Amoros, M. 5143, 6156, 8022
Amory, A. M. 8826
Ampe, G. 1078
Ampofo, S. T. 6297
Amren, M. 1735
Amthor, J. S. 5752
Amusan, O. O. G. 9209
An Foras Talúntais 3212
Anakshi Khare 1172
Anand, A. 5336
Anandaraj, M. 1763
Anan'ina, M. N. 2795, 2800
Ananthacumaraswamy, A. 8346, 8352
Ananthacumaraswamy, S. 8354
Anaya, J. 5112
Andersen, A. S. 3457
Andersen, E. E. 9008
Andersen, H. 7902
Andersen, J. F. 4192
Andersen, J. M. 444
Andersen, N. E. 7837
Andersen, Ø. M. 3310
Andersen, P. C. 112, 4009, 6114, 6506
Anderson, C. A. 6254
Anderson, D. H. 2965, 3578
Anderson, D. L. 8420
Anderson, J. E. 9115
Anderson, J. L. 744, 8469
Anderson, J. M. 938-939
Anderson, L. 4927
Anderson, L. E. 3434, 3448
Anderson, M. G. 239
Anderson, M. M. 168
Anderson, N. O. 5987
Andersson, L. 8874
Andersson, N. E. 5942, 5988, 6083, 6087
Andonova, T. 6374
Andotra, P. S. 1395, 1839
Andraščík, M. 512, 3015
Andrásfalvy, A. 3223
Andrea, M. 3544
Andreano, G. 7721
Andreev, I. M. 4249
Andreeva, O. A. 1702
Andrews, J. 1432
Andrews, J. H. 6448
Andrews, M. 6683
Andrews, P. K. 786-787
Andrienko, M. A. 5430
Andrişan, C. 6718
Andryushchenko, V. K. 4830, 7443
Anees, I. 5146
Anev, V. N. 3401
Angarica, E. 716
Angel Quesada, M. 6496
Angelini, R. 5832
Angenot, L. 1115, 1771, 3812, 6990-6991
Angkapradipta, P. 8255
Angulo-M., M. 1149
Angyal, S. J. 5096
Anikeenko, A. P. 356
Anikhovskaya, T. E. 2160
Anil Gupta 699
Anila Doshi 1559
Animashaun, T. 681
Animati, F. 3072
Anis, M. 1696
Anjan Bhattacharyya 1765
Anjaneyulu, A. S. R. 611
Anjaneyulu, K. 5272
Anjos, J. B. dos 2843
Anklam, M. 5883
Anklin, C. 6995
Anonis, D. P. 4450
Anoop Nanda 541
Ansari, A. A. 5415
Ansari, H. U. 7084
Ansari, M. H. 3120
Ansari, S. 6944
Ansell, K. A. 6512
Antere, S. 1269
Anthonysamy, S. 5156
Antila, K. 5109
Antill, D. N. 5623, 8396
Antognozzi, E. 2535, 2541
Anton, R. 487, 1071, 3773
Antonacci, D. 3332, 7392, 7395
Antonacci, E. 1388, 5597, 6422
Antonelli, A. 7829
Antonelli, A. L. 6848, 7334
Antoni-Padilla, M. 4310
Antonin, P. 163, 6421
Antonio, W. C. 5704
Antonyan, A. S. 2777
Antosiewicz, D. 6590
Antoszewski, R. 5040
Antoun, M. 8092
Antsupova, T. P. 2954
Antunes, V. 649
Anuar, A. M. 692
Anuradha 8009
Anyabuike, C. P. 6918
Anzilotti, F. 6879
Aoi, K. 9053
Aoki, S. 3198
Aonzo, E. 581
Aoues, A. 2114
Aoyama, T. 8042-8043
Aparbal Singh 5114
Aparicio-Tejo, P. 5093
Apelbaum, A. 1512
Apley, E. C. 4857
Aponyi-Garamvölgy, I. 5736
Apostolova, M. 4792
Appels, M. A. 4241
Appelt, G. D. 4469
Appelt, J. M. 4469
Appendino, G. 1714
Appiah, M. R. 3171
Appleford, N. E. J. 6749
Appleton, M. R. 3823
Aprasidi, G. S. 1725
Aquino, R. 1747, 6181, 6935, 9218
Aragao, G. M. 8129
Aragozzini, F. 6907
Arai, I. 1173
Arai, K. 6719
Arak, É. Kh. 1724
Arakawa, K. 2425
Araki, K. 6731
Araki, Y. 6725
Arambewela, L. S. R. 6906
Arancibia, L. 7998
Arasimovich, V. V. 4685
Aratani, T. 8031, 9126
Araújo, A. C. de 6296
Araujo, F. J. 4805
Araújo, G. A. de A. 6673
Araújo, J. P. 6745
Araújo, J. P. P. de 6673
Araújo, M. do C. M. de 3055
Arauz, L. F. 1337
Aravind Reddy, S. 9408
Aravindakshan, M. 3871
Araya, J. E. 8777
Araya, R. 5753
Arb, C. von 2143
Arbain, D. 3101
Arbeloa, A. 4010
Arboriculture Fruitière 1915, 1966
Arcella, C. 4396
Archakova, L. I. 2786
Archana Sharma 8419
Archbold, D. D. 754, 4784
Archer, A. W. 5101
Archer, E. 169, 8634
Arditti, J. 454, 3608, 6867
Arenas, P. 3705
Arene, O. B. 6135
Arevalo, G. 1735
Arfaioli, P. 5240
Argentina, Instituto Nacional de Tecnología Agropecuaria 7137
Arghir, G. 6561
Argyriadou, N. 1716, 6145
Argyroudi-Akoyunoglou, J. 5761
Arias, A. R. de 3756
Arias, C. 1234
Arias, J. 1863
Aribi, K. 5269
Arichi, S. 1212, 2353, 3050, 3098, 3730
Arie, Z. Ben- 5404
Arif, A. 3886
Arif, S. 2214, 8049

Arifin, B. B. 2739
Arihara, S. 5351
Arimoto, M. 2391
Arinina, L. P. 2898
Arinze, A. E. 7731
Arinze, E. A. 5396, 7200
Arisawa, M. 607, 1680, 1767, 3109, 8104, 9155, 9174, 9190, 9203
Arise, A. 607
Arisumi, K. 7865
Arisumi, T. 1588
Arkhipov, G. E. 8731
Arlandini, E. 8017
Armengol, F. 8887
Armitage, A. M. 397, 1004-1005, 3564, 6014
Armstrong, C. F. 7689, 8543
Armstrong, D. J. 922
Armstrong, P. R. 8443
Arnason, J. T. 1082
Arnautova, E. M. 3587
Arnold, N. 8416
Arnold, N. P. 4604
Arnold, R. N. 3410
Arnozis, P. A. 5901
Arntzen, C. J. 4922
Aro, E. M. 936
Arobelidze, S. M. 1874, 8361
Aronson, L. J. 1610, 5049
Aror, E. 8518
Arora, C. L. 4896, 7077
Arora, J. S. 5002, 5031, 5033, 6807, 7855
Arora, R. 8719
Arora, R. L. 1354
Arora, S. K. 1462, 7491, 8842
Arozarena, B. 2888
Arpaia, M. L. 2509, 4545
Arpin, N. 4994
Arretz, P. 8777
Arrio, B. 5174
Arriola, M. C. de 4904
Arroyo, M. 1735
Arruda, F. B. 1861
Arruda, M. C. Q. de 4596
Arsenidze, A. 8179
Arslan, N. 5104-5105
Artamonova, N. A. 3084
Arteca, R. N. 3503
Arturo Lavín, A. 5584
Aruchami, M. 3181
Arulpragasam, P. V. 8357-8358
Arús, P. 96, 5964
Arutyunyan, É. A. 2061
Arvidsson, T. 8808
Arzee, T. 2848
Arzola, N. 2568-2569, 6339
Arzone, A. 8947
Asada, K. 4844
Asada, M. 5060
Asada, Y. 5305, 6937, 8986
Asai, K. 28
Asaka, I. 580
Asakawa, Y. 1634, 2385, 3073
Asako, S. 6810
Asano, M. 2441
Asare-Boamah, N. K. 8781
Ascanio García, O. 5338
Ascencio, J. 264, 6675
Ascensão, L. 6914
Ascher, P. D. 5987
ASEAN Plant Quarantine Centre and Training Institute 3877
Asenov, I. 1729
Ashaari, H. A. 8323
Ashbel, E. 2052
Ashburner, K. 480
Ashihara, H. 558
Ashihara, W. 8196
Ashokan, P. K. 9310
Ashour, A. S. 1739
Ashraf, C. M. 2409
Ashraf, M. 6176
Ashton, S. 3063
Ashwood-Smith, M. J. 9050
Ashworth, E. 37
Ashworth, E. N. 1332
Asibal, C. F. 9204
Asiegbu, J. E. 258
Askari, A. R. 3698
Aslanyants, L. K. 4456
Asoegwu, S. N. 705, 3393, 3396, 7092
Asoeva, E. Z. 2045
Assaf, M. H. 1071
Assaf, R. 8480
Assche, F. van 7621
Astakhov, A. I. 1316
Astakhova, T. V. 3796
Astegiano, E. D. 8277
Astro, P. L. 4001
Aswath, C. 7915
Aswathaiah, B. 8390
Ataev, I. G. 2669
Ataga, D. O. 3179
Atal, C. K. 1704
Atalay, I. Z. 8638
Atan, R. M. 708
Atanasov, Ya. 7377, 8628
Atanasova, B. 5970
Atanassov, N. 181
Atger, P. 100
Atherton, J. G. 2833, 6029
Atkinson, D. 64, 768, 3312
Atovmyan, L. O. 3811
Atta, S. K. 5130
Atta-ur-Rahman 561, 615, 2355, 2367, 5236, 6923, 6978, 7000, 8033, 9127-9129
Attala, A. M. 5310
Attar, M. M. El- 7100
Attisso, M. 1142
Attuquayefio, V. K. 2892
Atubra, O. K. 8296
Atul Sharma 1664
Aubinet, M. 8409
Auderset, G. 4861, 8708
Audru, J. 8160
Audsley, E. 8661
Auerswald, H. 5887, 6657, 8911
Augiseau, L. 1067
Augustin, M. A. 2573
Augustinussen, E. 5800
Ault, J. R. 439, 7318
Austin, M. E. 138, 2035, 2717, 3337, 4046
Austin, P. J. 3220
Austin, R. K. 7524
Australia, Australian Society of Sugar Cane Technologists 4
Australia, Board of the Botanic Gardens of Adelaide and State Herbarium, South Australia 8382
Australia, Department of Agriculture, New South Wales 8385
Australia, New South Wales Department of Agriculture 11
Autore, G. 1773
Avadhani, P. N. 7896
Avakyan, A. G. 2156
Avanzato, D. 4751, 6534
Avanzi, S. 4696
Avanzini, A. 6157
Avdeev, V. A. 3294
Avdeev, V. I. 1878, 4669
Avdeev, Yu. I. 5874
Avella, G. 7772
Avendaño, S. 1113
Averett, J. E. 9181
Avery, J. D. 8594
Avetisova, L. V. 1450
Avetisyan, S. V. 2156
Avezard, C. 8622
Avgelis, A. D. 4290
Avidan, B. 9298
Avidan, N. 8220
Avigne, W. T. 1193, 3142
Avikainen, H. 5689
Avila, C. 2920
Avilán R., L. 3177
Avilés-Rodríguez, L. 6756
Avraamov, G. N. 7231
Avramovski, T. 8892
Avtar Singh 2294-2295
Awad, F. 5773
Awad, N. G. H. 7775
Awan, M. R. 7743
Awan, M. Z. 1202
Awang, M. R. 8302
Awang, S. B. M. 279
Awasthi, C. P. 2086
Awasthi, D. N. 5442
Awasthi, G. P. 7698
Awasthi, M. D. 1799, 4905, 6310, 7554
Awasthi, R. P. 1945, 1945, 8478-8479, 8481, 8512
Awasthi, S. K. 8937
Aworh, O. C. 1188
Ayabe, S. 3086
Ayafor, J. F. 1151, 6154, 6213, 8061
Ayala, H. G. 3189
Ayala-Lagos, F. 3087
Aydeniz, A. 8475
Aydin, M. 5271
Aydın, A. B. 4736
Ayeh, E. 261
Ayerbe, L. 640, 8159
Ayers, D. H. 3131
Ayerza, R. 8123, 9227
Ayfer, M. 8569
Ayisire, B. E. 1483
Ayobangira, F. X. 3684
Ayodeji, O. I. 4576
Ayoub, S. M. H. 6149
Ayuso, M. C. 8872
Ayuso González, M. J. 1183
Ayyappan, P. 2570-2571
Azar, M. 2720
Azeemoddin, G. 3013
Azevedo, A. M. G. 696
Azevedo, L. A. S. de 1486
Azevedo, R. A. B. de 7467
Azhunova, T. A. 1746
Azimi-Tabrizi, M. 4909
Aziz, A. H. 3958
Aziz-ur-Rahman Amber 8049
Azizi, L. A. 8938
Azudin, M. N. 2573
Azuma, J. 8734
Azuma, J. I. 7564
Azzini, A. 4596
Baaliouamer, A. 7973
Baardseth, P. 5629
Baarends, J. L. 4752
Baba, J. 5216
Baba, K. 1124, 3023, 3050, 3075
Baba, N. 2340
Babady-Bila 4490, 4494
Babaev, M. M. 8175
Babbo, G. 4955
Babcock, J. M. 7245
Babelegoto, N. 1388
Bab'eva, E. N. 5614
Babina, R. D. 5512
Babrikov, D. 8629
Babu, C. K. 7485
Babu, K. J. 1807
Babu, R. S. 9408
Babu, R. S. H. 5855, 9359
Babylatha, A. K. 8240
Baccaunaud, M. 2028
Bach, A. 4371
Bache, C. A. 4876
Backhouse, N. 1113
Badar, Y. 615
Badawi, M. M. 1730
Badegana, A. 973
Bader, G. 6986
Badillo-Feliciano, J. 4182, 7058
Badiyala, S. D. 4749, 8619
Badola, K. C. 2458
Badreldin, M. M. 6275
Badyal, J. M. 4749
Badzhelidze, L. S. 3066
Baerheim Svendsen, A. 508, 630, 1676, 2335
Bærve, O. A. 5996
Baeva, G. 5520
Baeva, R. T. 8026
Báez, M. 203
Bagael, B. S. 288
Bagautdinov, R. G. 4400
Bagchi, A. 4505, 5207
Bagchi, D. K. 8835
Baggett, J. R. 2137
Bagi, G. 6686
Bagi, M. K. 6203
Bagni, N. 206, 7265
Bagryanskaya, I. Yu. 1177
Bagshaw, J. S. 7139
Bagyaraj, D. J. 9354
Bahadur, B. 4493
Bahadur, J. 4935
Bahuguna, R. P. 1125
Bahuguna, V. K. 1649, 4428
Bai, K. V. K. 3875
Baidanova, V. D. 8907
Baijal, M. 6764
Bailey, B. J. 7763, 8880
Bailey, D. A. 2271, 6845
Bailey, J. B. 2484-2485
Bailey, R. A. 5344
Bailey, R. H. 4383
Baille, A. 4956, 6406
Baillet, A. 2452
Bailleul, F. 4517
Baillod, M. 163, 2771
Baitulin, I. O. 6536
Bajaj, J. C. 5641
Bajaj, K. L. 5871, 9403
Bajpai, A. 5747
Bajwa, G. S. 8363
Bakaeva, N. N. 832
Bakamidze, M. Sh. 3856
Bakana, P. 3083
Bakanidze, M. Sh. 8361
Bakar, I. 5156
Bakels, R. H. A. 390
Baker, J. R. 3629, 6773
Baker, K. M. 3607
Baker, R. 3399, 4824, 7603
Bakker, J. C. 4938, 5724, 7788
Bakó, Z. 6420
Bąkowski, J. 2936, 4149
Bakulin, V. T. 9046
Bakulina, V. A. 5616, 7580
Bakun, T. V. 2730
Bal, A. K. 5755
Bal, E. 5566
Bal, J. S. 1350, 5355, 7020, 8363, 8589
Bal, P. S. 249, 8748
Balachandran, S. 3723
Balague, C. 1348
Balakhnina, T. I. 935
Balakrishna, M. 3000
Balakrishnamurthy, G. 7932
Balakrishnan, K. 7063, 7089
Balakrishnan, R. 3658
Balamohan, T. N. 7089
Balangé, A. P. 5702
Balashanmugam, P. V. 6864
Balasimha, D. 3875, 9329
Balastreire, L. A. 5343
Balasubramanian, K. 6951
Balasubramanian, M. A. 1830
Balázs, S. 3521, 3523, 3530
Balbino, J. M. de S. 4964
Balchin, D. 144
Baldacchino, C. 2075-2076
Baldini, E. 4663
Baldwin, E. A. 9274
Baldy, C. 7043
Baleriola-Lucas, C. 1252
Bali, A. S. 1060
Baligar, V. C. 4209
Bálint, E. K. 1898
Baljit Singh 5513, 8563
Ball, E. 1619
Ball, J. 2267
Ball, J. T. 3419
Ballabio, M. 8017
Ballester, D. 820
Ballesteros Ruíz, J. 9287
Ballin, E. 1453
Ballinger, W. E. 2715
Ballington, J. R. 2715
Báló, E. 7386, 7416
Báló, Z. 2054
Balogh, P. 3394

Balsamo, R. A. 2254-2255
Balšan, J. 945
Balsevich, J. 1722
Baltaev, U. A. 3106, 3804
Baltaga, S. V. 2751
Baltensperger, A. A. 4380
Balter, A. M. 4686, 4798
Balwinder Singh 8185
Bambach, R. W. 3290-3291
Bambagiotti-Alberti, M. 4506
Banasik, L. 5040
Banaudha, K. K. 3088
Banba, Y. 3980
Bandara, B. M. R. 2373, 3022, 4513, 5144
Bandara, K. A. N. P. 3022
Bandome, T. 1680
Bandurko, I. A. 4742
Bandyopadhyay, C. 4445
Bandyukova, V. A. 1702
Banerjee, A. 4445, 8835
Banerjee, S. 2263
Banerjee, S. K. 9157
Banerji, B. K. 2985-2986
Banerji, R. 3733
Bangerth, F. 80, 1541, 2644, 5476, 7521, 8790
Bangreth, F. 8913
Bani, R. J. 8846
Banigan, T. F. 3701
Banik, D. 8367
Bank, R. J. 5533
Bankar, G. J. 2239, 2959, 5080, 6808
Bankar, M. D. 5141
Bannister, C. J. 7888
Bano, F. 7743
Bano, N. 3765
Bano, S. 2394, 3765, 6209
Banthorpe, D. V. 5134
Banuelos, G. S. 1541, 7521
Bao, F. 7098
Bao, J. 3810, 5159, 6909
Bapat, V. A. 1983
Bapna, J. S. 6207
Bar, Y. 2472, 2474, 6241, 7011
Bar-Akiva, A. 6253
Bar-Yosef, B. 5856, 8480, 8897
Barabal'chuk, K. A. 4807, 5577
Barabás, K. 7677
Barabé, D. 2968
Barak, R. 5856
Barak, U. 7434
Baraka, M. A. 8209
Barakat, A. A. 5140, 7781
Baraldi, G. 3938, 4087
Baraldi, R. 7287
Baralieva, D. 5876
Baranowski, R. 8422
Barash, S. I. 4815
Barasona, J. 7195
Baratta, B. 9291
Barbagallo, C. 586
Barbagallo, S. 3926
Barber, J. 3437, 4264-4265, 4920, 5654, 5810-5811, 5819, 5822, 6601, 8819
Barberá, O. 1064
Barberán, F. A. T. 3108
Barberis, R. 9294
Barbetti, P. 613, 1166
Barbier, M. 842-843
Barbieri, C. 4675, 7942
Barbin, Y. 1067
Barbot, J. 7657
Barbu, A. 3030
Barceló, J. 268, 1488, 4903, 7634
Barcelo-Muñoz, A. 2466
Bardaie, M. Z. 9370
Bardella, H. 627
Barden, J. A. 1396, 7262
Bardet, A. 8615
Bardner, R. 9343
Bare, C. E. 599
Baret, F. 7043
Bargioni, G. 4720
Bariaud-Fontanel, A. 6997
Barik, B. R. 1749
Barker, A. V. 244, 4316, 4963
Barlass, M. 6544, 6563
Barlow, E. W. R. 957, 2900
Barmore, C. R. 3841
Barna, J. 4084
Barnes, M. F. 3679
Barnett, C. E. 425
Barnett, W. W. 7214
Barnóczki-Stoilova, E. 1415
Baron, I. 2052
Barone, G. 1150, 5046
Baroni, G. 3279, 6494
Baronio, P. 5
Barooah, A. K. 5867
Barr, R. 8430
Barralis, G. 6953
Barranco, D. 664
Barratt, D. H. P. 924
Barrera, L. 1863
Barrera-Guerra, J. L. 5249
Barrero, L. 1234
Barrés, M. T. 3839
Barrett, D. K. 493
Barrett, J. E. 2207, 4356, 4418
Barrett, L. 197
Barrientos-Pérez, F. 5250
Barrientos Priego, A. 2461, 2465, 2487, 5250
Barrios G., F. 6580
Barritt, B. H. 5437
Barros, C. S. 9125
Barros, F. de 9010
Barros, N. F. 7520
Barros, S. M. 3150
Barroso, J. 5066, 8595
Barroso, M. A. T. 1217
Barsukova, O. N. 5426, 5503
Barta, D. J. 5670
Bartels, P. G. 247
Barth, A. 1756
Barthakur, N. N. 707, 4604
Barthe, G. A. 2522
Barthe, P. 8712
Bartholomew, D. P. 6320
Bartkowski, K. 7761
Bartley, J. P. 3882
Bartolini, G. 7383, 8216, 9290, 9294
Bartolini, S. 3234, 4735, 6471
Bartoš, V. 1944
Bartuska, C. A. 2207
Bartz, J. A. 8919
Baruah, A. K. S. 2397
Baruah, J. N. 2397
Barvinok, Yu. F. 7739
Basa, S. C. 9106
Basabe Barcala, P. 3682, 6877, 6966
Basak, A. 6473
Basargin, D. D. 6984
Bashir, A. K. 2387, 6163
Basile, A. B. 6582
Basile, A. C. 3741, 4485
Basile, M. 5976, 6582
Basiouny, F. M. 4054
Baskin, C. C. 5941
Baskin, J. M. 5941
Basler, P. 154
Basnitzki, Y. 4130
Bassaglia, C. 6774
Bassam Aboul-Nasr, M. 9125
Bassat, M. 5129, 7968
Bassène, E. 1119
Bassett, C. L. 7845
Bassey, M. W. 7121, 7203
Basso, M. 3330
Bassomy, M. A. Al- 7724
Bassuk, N. 1256
Bassuk, N. L. 1032
Basta, E. 5918
Bastard, Y. 1987
Bastelaere, H. Van 7355
Bastian, O. 7208
Bastias M., E. 671
Bastida, J. 2231, 7834
Bastine, L. 7068
Bastos, C. R. 4596
Basu, P. K. 9096
Basu, R. N. 213, 2861
Basualdo, I. 1680, 3109, 9190
Baszyński, T. 243, 7498
Batbayar, N. 8015
Bates, C. D. 9137
Bates, R. B. 9142
Bathke, K. 8398
Batirov, É. Kh. 1102, 8075
Batkin, S. 5331
Batlle, A. 3597
Batra, B. R. 7790-7791
Batra, R. C. 5277
Batsuren, D. 8015
Battey, N. H. 3558
Battikhi, A. M. 250
Battilani, A. 6585
Batyr, R. A. 7220
Batyuk, V. S. 4523
Bauer, H.; Thöni, W. 9036
Bauer, R. 5148
Bauereiss, P. 6988
Bauerle, W. L. 252, 4309
Baum, D. 7435
Baum, S. 5806
Baumane, G. K. 6852
Baumann, H. 1711
Baumert, A. 6981
Baumes, R. L. 5613
Baumgärtner, J. 7252
Baunova, I. A. 866
Bautista, D. 2760
Bautista, I. 3137
Bautista A., D. 856
Bauvin, J. P. 5424
Bavappa, K. V. A. 3875
Bavel, C. H. M. van 340
Bawa, A. S. 7561
Baxter, L. W., Jr. 1633, 6077, 9034
Baydoun, E. A. H. 4919, 7503
Baykal, O. B. 8869
Bayley, A. D. 1738
Baylocq, D. 2452
Bayma, J. de C. 4495
Bayonove, C. L. 5613, 6571
Bayot, R. G. 6317
Bayrak, A. 5105
Baytorun, A. N. 737
Baz, A. G. I. O. 4729, 5034
Bažant, Z. 1984
Bazzi, C. 1442, 6772, 7396
Bazzocchi, R. 4404, 4944, 5716, 6055, 6105
B"chvarova, R. 5970
Beakes, G. W. 1508
Beale, A. 4288
Bean, G. A. 1341, 9125
Beard, J. B. 6045
Beardsell, D. V. 6100
Beaty, R. M. 5085
Beaubaire, N. A. 2350
Beauchamp de Caloni, I. 6756
Beaver, J. S. 7058
Bebee, C. N. 5047
Beceanu, D. 6608
Becerra, J. 1148, 2797
Bech, K. 1552
Bechet, G. R. 5344
Beck, C. F. 6694
Beck, G. E. 482
Beck, J. A. 3309
Beck, J. P. 1071
Beckenridge, C. 5238
Becker, R. F. 868, 5647
Bédard, R. 2039
Bedasie, S. 4135-4136
Bedford, D. S. 4039, 5506
Bedford, I. 8945
Bedi, J. S. 4070
Bedlan, G. 6581, 6586, 6631, 6637, 6652, 6655, 6710, 6739, 6741, 7604
Bedoya Montoya, H. J. 693
Beech, D. F. 7653
Beech, M. G. 3312, 5556
Beecher, G. R. 3388, 3919
Beek, T. A. van 507
Beekhuizen, J. G. 5985
Beel, E. 472, 7894, 7930, 8997
Beelman, R. 4991
Beer, J. 9340
Beer, J. W. 9340
Beer, P. R. de 4803
Beer Singh 1504
Beerhues, L. 4858-4859
Beers, E. H. 51
Beese, M. 5554
Beetz, K. J. 1390
Beever, D. J. 3300
Beevers, L. 5784
Begg, J. E. 9230
Beguin, F. 4433
Begum, S. 3777, 9179
Behar, I. 1747, 6181
Behera, P. K. 3651
Behrens, V. 464
Bei, F. N. 1478
Beiderbeck, R. 5359
Beier, R. C. 4831
Beijersbergen, J. C. M. 2948
Bekendam, J. 4863
Bekey, R. S. 2485
Bekorevich, A. D. 5782
Bélair, G. 4979
Bélanger, A. 4116
Beldhodja, K. 4640
Belgium, Onderzoek- en Voorlichtingscentrum voor Land- en Tuinbouw 2105
Belingheri, L. 5279
Belinskaya, N. I. 5072
Belitser, N. V. 1642
Bell, E. A. 6173
Bell, E. L. 397
Bellakhdar, J. 4507
Belleggia, S. 6489
Bellido, I. S. 8044
Bellincampi, D. 4980
Bellini, E. 2003, 2005-2006, 8222
Bello Muiños, L. 5264
Belmans, K. 6508, 7280
Beloshapkina, O. O. 2728
Belousov, Y. V. 182
Beltran, M. M. 5873
Belyaeva, T. G. 2698
Ben, G. Y. 6677
Ben, J. 4723, 6463, 6478-6479
Ben-Abdallah, N. 6405
Ben-Arie, R. 3160, 4712, 7272, 8440
Ben-Arie, Z. 5404, 8561
Ben-Efraim, I. 6781
Ben-ek, J. F. 748
Ben-Hayyim, G. 1801-1802
Ben-Tal, Y. 1211, 1817
Ben-Yehoshua, S. 1808, 8207
Ben-Ze'ev, I. S. 4357
Benaicha, B. 5859
Benbadis, A. 4559
Benbadis, M. C. 665
Benčať, T. 5073
Bendall, D. S. 3442
Bender, L. 359
Benediková, D. 1313
Benepal, P. S. 7617
Beneš, I. 8908
Beneš, J. 7447, 8908
Beneš, K. 8794
Benešová, M. 1756
Benetka, V. 1013
Benevski, M. 3412
Benidze, M. M. 1184
Benjilali, B. 6901
Benk, E. 8624, 9409
Benkenstein, H. 414
Bennedsen, B. S. 77, 4703
Bennett, I. C. 2478
Bennett, J. 8830
Bennett, O. L. 4008, 4015
Bennett, R. D. 7033
Benoit, F. 210, 230, 954, 978, 2097, 2118, 4101, 4331, 6730, 7468, 7539, 7760, 7762, 8666, 8886
Benouda, A. 6901
Benson, D. M. 6090-6091
Bentini, M. 354, 4327
Bentley, M. D. 9091
Bentley, R. A. 6070
Benuzzi, M. 179
Bényei-Himmer, M. 7925

Benzioni, A. 7006, 8141-8142, 8144-8145, 9225, 9234
Bera, B. 6531
Beraud, J. 8960
Berchielli, D. L. 5944, 6071, 9030
Berden, J. A. 5660
Berdyev, R. Ya. 3956
Berdyev, S. 4073
Berenguer Hernández, T. 3944
Berentsen, E. 7471, 7529
Berényi, M. 3481
Beres, H. 8139
Bereśniewicz, A. 2909, 7453
Beretta, D. 3622
Bereza, B. 8779
Berezhevskaya, L. I. 4514
Berezhnoi, P. S. 142
Berezko, M. N. 964
Berezovskii, K. K. 2167
Berg, A. J. J. van den 3797, 8102
Berg, G. A. van den 6851
Berg, M. A. van den 1800
Bergami, M. 4230
Bergamini, A. 8509
Berganza, L. H. 1680, 3109, 8104, 9190, 9203
Bergendorff, O. 1557
Bergenthal, D. 5178
Berger, R. G 9076
Berger, S. 6963
Berger S., H. 2881
Bergervoet, J. H. W. 5966
Berghe, D. A. van den 3083
Bergman, B. H. H. 2948
Bergmann, B. 397
Bergmann, H. 7785
Bergström, G. 1639
Bergström, J. 1639
Beridze, Z. A. 1197
Beringola, M. L. Martinez- 8193
Berisha, R. 4025
Berkel, J. van 3452
Berkel, N. van 1569
Berkowitz, A. B. 7958
Berkowitz, G. A. 4286
Berle, D. 5714
Berlin, J. 1158, 4448
Berlin, Technische Universität, Fachgebiet Obstbau 2585
Berman, E. 3849
Bermejo, J. 7998
Bermejo, P. 618
Bernal, J. A. 8635
Bernardi, M. De 2194, 3117
Bernardini, N. 8708
Bernardo, S. 2857
Bernáth, J. 3720, 3750, 3787
Bernatzky, R. 3915
Bernd, R. B. 1341
Bernheimer, A. W. 8934
Bernillon, J. 4994
Berns, F. 7882
Bernstein, S. 3864
Bernstein, Z. 93
Berry, J. 3419
Berry, J. W. 7614
Bertaud, D. S. 199
Bertelloni, A. M. L. 6877
Berthaud, J. 4608
Berthier, G. 5839
Bertini, M. 1263, 6449
Bertoldi, M. de 7122
Bertrand, B. 685
Bertrand, M. 8779
Bertrand, P. 4855
Bertrand, P. F. 8568
Bervaes, J. C. A. M. 3967-3968
Berzborn, R. J. 3366
Besant, R. W. 5396
Besedin, V. A. 3515
Beskrovnyĭ, A. S. 849
Bespalova, A. S. 9112
Bessalle, R. 3728
Besschetnova, M. V. 5018
Bessière, J. M. 7967, 8094
Bessis, R. 842-843, 8650-8651
Bessonova, I. A. 3043, 3766, 6957, 8014, 8075
Bessonova, V. P. 1510
Bester, J. M. 2498
Bester, M. 120
Bestmann, H. J. 513, 1660, 9089
Betsche, T. 3454
Bettencourt, A. J. 4608
Betti, L. 5848
Bettiga, L. J. 3341
Bettner, W. 7415
Betz, R. 2611
Beuret, E. 3942, 4080
Beusichem, M. L. van 5801, 8774
Beutler, J. A. 1099
Beuzenberg, M. P. 369, 434, 488
Beverly, R. B. 1404, 2178, 6251, 7541
Beversdorf, W. D. 3915
Bewick, T. A. 8607, 8610
Bewley, J. D. 5711, 5789
Beyazoglu, O. 3620
Beyer, P. 5036
Beyl, C. A. 8594
Bezáková, L. 8090
Bezerril, E. F. 4300
Bezmenov, A. Ya. 562
Bezuidenhout, J. J. 2479, 2483, 2499
Bezzi, A. 6373, 6881, 6898, 6952
Bhagwat Prasad 1156
Bhagyalakshmi 6134
Bhakuni, D. S. 553, 1117, 1691, 3026, 9098
Bhakuni, R. S. 3716, 6185
Bhala, M. 5223
Bhalchandra Dave 1355, 7064
Bhalekar, M. N. 7486
Bhamburkar, A. S. 5636
Bhan, M. K. 2380
Bhan, S. 3814
Bhan, V. M. 2092
Bhandari, A. R. 6624
Bhandari, P. 6971
Bhandsey, J. P. S. 3188
Bharati, P. 9099, 9104, 9136
Bhardwaj, L. N. 8489-8490
Bhardwaj, S. D. 2439, 3078
Bhardwaj, S. N. 8821
Bhardwaj, S. P. 7286
Bhardwaj, V. 6642, 8745
Bhargava, J. N. 8517, 8555-8556
Bhargava, S. K. 619, 2354
Bhartendu Vatsya 9, 7955
Bhaskaran, S. 7955
Bhat, B. K. 8002
Bhat, C. M. 1821
Bhat, K. S. 3875, 6294
Bhat, N. R. 729
Bhat, N. T. 3875
Bhat, S. R. 6328
Bhathal, G. S. 8676
Bhati, D. S. 3007, 9051, 9064
Bhati, R. S. 8964
Bhatia, H. S. 8579
Bhatnagar, A. 7941
Bhatnagar, D. K. 8871
Bhatnagar, J. K. 3809
Bhatnagar, K. N. 1664
Bhatnagar, S. 8785
Bhatnagar, S. K. 9380
Bhatt, J. R. 565, 702
Bhatt, R. K. 5235, 9217
Bhattacharjee, P. K. 5348
Bhattacharjee, S. K. 3000, 5120, 6873, 7878
Bhattacharya, A. K. 515
Bhattacharya, B. 8835
Bhattacharya, D. 3168, 6743
Bhattacharyya, A. 4515
Bhattacharyya, K. 9163
Bhattacharyya, S. 2263
Bhatti, D. S. 3699, 9081
Bhatty, M. K. 6176
Bhaumik, P. K. 1215
Bhavsar, G. C. 3670
Bhella, H. S. 4181, 7757
Bhivare, V. N. 2860
Bhojwani, S. S. 1, 8719
Bhonde, S. R. 1418
Bhowmik, P. C. 421
Bhowmik, S. R. 4328
Bhujel, R. B. 9104
Bhullar, J. S. 1350, 6574
Bhullar, N. K. 3737
Bhupinder Singh 2418
Bhutani, K. K. 3118, 5198, 8093
Bhutani, V. P. 8521, 8578-8580, 8587-8588
Bhuyan, M. A. J. 8284
Bi, H. C. 9028
Biacs, P. 7770
Bianchi, A. 6874
Bianchi, M. L. 4793
Bianchi, P. G. 2102, 5932
Bianchini, J. P. 3674, 4550, 9069
Biasi, R. 3257, 7265
Biaudet, P. 5674
Biavati, B. 7289
Bicalho, H. D. 9010
Bicchi, C. 2313, 6142
Bicer, Y. 2770, 3141
Bicherev, V. A. 2115
Bick, I. R. C. 9159
Biddappa, C. C. 3875, 4577
Bidwai, P. P. 3737
Bidwell, R. G. S. 909
Biebel, J. P. 3610
Bieber, L. W. 6960
Biedermann, I. E. G. 3627
Bienfait, D. 1320
Bienfait, H. F. 2129, 8774
Bier, B. 7451
Biesboer, D. D. 3915
Biesheuvel, A. 223, 6635, 7528
Biesiada, T. 823
Bigelli, G. 7534
Biggins, J. 5367-5369
Biggs, A. R. 1339
Biggs, M. S. 3507
Biggs, R. H. 9274
Bijendra Singh 7056
Bijlsma, R. J. 7648
Bikkar Singh. 5842
Bikram Singh 8018
Bilderback, T. E. 2265
Bilgen, E. 4613
Bilgen, H. 2582
Bilichenko, G. P. 4677
Billau, W. 3465
Bilyk, A. 821
Bimurzaev, A. A. 1780
Bindra, A. S. 2067
Bingham, F. T. 5461
Bingham, L. 7508
Bingol, F. 1114
Bingzhong, H. 1230
Bini, G. 667, 2537
Biniek, A. 4977
Binning, L. K. 5683, 8607, 8610
Biolley, E. 820
Biondi, G. 1307
Biraghi, C. 9040
Birati, I. 5276
Birch, R. G. 6343
Birkenhead, K. 389
Birkler, H. 8809
Birnbaum, E. 8147
Biryukova, N. K. 5708
Bisaria, A. K. 7991
Biscay, P. J. 2778
Bishnoi, S. K. 4246
Bisht, J. C. 513
Bisht, R. S. 6992
Bisiach, M. 5603
Bissessur, D. 5332
Bister-Miel, F. 6166
Biston, R. 4334-4335
Biswas, A. R. 6207
Biswas, G. K. 1215
Biswas, M. 6949
Biswas, P. P. 8285
Biswas, S. 5157
Biswas, S. R. 5328
Bittenbender, H. C. 1367
Bittisnich, D. J. 3428
Bitton, S. 1811
Biyiti, L. 9152
Bjeldanes, L. F. 4169, 4883
Blaauw, J. H. G. 9275
Black, M. 7515
Blackburn, W. J. 7151
Blackman, S. J. 2865
Blackmon, W. J. 439
Blagrove, R. J. 1499
Blain, J. 255
Blaine, M. A. 1334
Blaisdell, J. L. 7199, 8917
Blanc, R. 6466
Blancard, D. 4298
Blanch, H. W. 1719
Blanchet, P. 126
Blanco, A. 5494
Blanco, H. G. 4541, 4579
Blank, G. 207
Blank, R. H. 8227
Blanke, M. 3260, 8515
Blanke, M. M. 38, 5611, 7256
Blanken, P. A. 2478
Blankenship, S. M. 1959, 1961-1962, 4377, 4699
Blanpied, G. D. 6460
Bläsing, D. 136, 3308
Blaskó, G. 9144
Blasse, W. 1296-1297
Bledsoe, A. M. 3341, 6553
Bleecker, A. B. 869, 3508
Blekher, V. I. 3956
Blesa, A. C. 8239
Blessington, T. M. 1008, 1651
Bleyaert, P. 6728
Bliek, W. van der 4706, 5479
Blinova, K. F. 3668
Bliss, F. A. 4217, 7619
Block, J. 3366
Bloesch, B. 118, 163
Blokhin, V. G. 7610
Blom-Barnhoorn, G. J. 3570, 8977
Blom-Zandstra, M. 1436
Blomme, R. 459, 499, 4416
Blomquist, G. J. 5768
Blondel, M. 1424
Blos, I. 4440
Bloss, H. E. 5246
Blouw, M. J. 7945
Blowers, D. P. 1513
Blum, B. 7541
Blum, U. 253-254, 1468, 2862
Blümel, S. 5914, 6147
Blumenfeld, A. 3826
Blumreich, B. 1034
Boardman, P. 5227
Boccon-Gibod, J. 8468
Bocheva, R. 2713
Bockstaele, L. 2105
Bödecs, L. 54, 753, 1917, 2014
Bodgan, T. Z. 967
Bodi, I. 2649, 2658, 6507
Bodnár, J. 7444
Bodner, M. 1001-1002
Bodo, B. 2376, 3733
Boe, A. A. 7783
Boekema, E. J. 4854, 5660
Boeker, R. 5209
Boelema, T. 2506
Boer en de Tuinder 6522
Boerrigter, H. A. M. 3971, 7267
Boersma, J. H. 4188
Boeva, T. V. 5874
Bogaard, R. van den 7746
Bogaerts, I. 7718
Bogani, P. 374
Bogatek, R. 8460
Bogdán, I. 887
Bogdanov, B. 483
Bogdanova, V. P. 6218
Böger, P. 8700
Bogorad, L. 4252-4253
Bohel, M. 4467
Bohlmann, F. 549, 1148, 5111, 5162, 5209
Bohm, B. A. 5191
Böhm, L. 8494

Böhmer, U. 1000
Bohner, J. 8913
Bohra, C. P. 7167, 7735
Bohra, S. P. 5999
Bohus, G. 4342
Boiardi, J. I. 8771
Boicheva, R. 4040
Boikov, A. D. 5952
Boikov, T. G. 1659
Boily, Y. 2446
Boimatov, T. È. 3242
Boinik, V. V. 1112
Boivin, C. 2161
Bojić, M. 61
Bokadia, M. M. 6899
Boland, R. L. 7643
Bolay, A. 1387, 2771
Bolding, P. J. 6435, 7237
Bolgov, A. N. 2893
Bolin, H. R. 3974
Boll, P. M. 469, 1774, 9095
Bolle, P. 3072
Bolli, P. 2811
Bologa, M. 4216
Bol'shakova, V. N. 8639
Bol'shedonova, T. P. 4693
Boltivets', V. S. 5525
Bolwell, G. P. 8783
Bommelijé, S. 7875
Bompeix, G. 6497
Bonanno, A. R. 7594
Bond, P. 2287, 3063
Bond, W. 5923
Bondar', L. V. 7222
Bondar, V. V. 1458
Bondarenko, A. K. 1587
Bondarenko, A. S. 1689
Bondarenko, N. F. 4768
Bondarenko, N. V. 178
Bondari, K. 138, 2035, 2717, 3337
Bonde, M. R. 4357
Bonet, A. S. 6327
Bonetti, S. J. 9204
Bonfante-Fasolo, P. 7469
Bongers, A. 3590
Bongi, G. 4560
Bongiorno, A. 3239
Boniface, C. 5122
Bonn, W. G. 5425
Bonner, P. L. R. 4336
Bonomo, R. 3246, 3256, 4696, 4744
Boodt, M. De 7177
Boogher, C. A. 445, 6053
Booij, R. 3384, 7543, 7558
Boon, J. van der 4870, 7518, 7919, 8981
Boonen, P. 8838
Boons-Ruijzenaars, Y. 5729
Boonyaratavej, S. 9142
Boonyarathanakornkit, L. 4487
Bootsma, J. 1279, 7276
Booze-Daniels, J. N. 1591
Bopaiah, B. M. 3875, 6300, 7055
Bopaiah, M. G. 3833
Bopp, M. 9063
Bora, P. C. 2562
Bora, S. S. 4013
Bora-Haber, E. 8913
Borck, B. 5551
Bordoloi, D. N. 9078
Borek, V. 3264
Borel, C. 529
Borgen, A. K. 3598
Borges, A. C. 6672
Borgo, M. 2773, 6545
Borisenko, V. I. 3152
Borisov, A. V. 1465, 2838
Borkird, C. 6757, 7800
Borkovec, V. 4929-4930
Borkowski, J. 2923
Bormans, H. 8467
Bornemisza, E. 5726
Bornemisza-Pauspertl, P. 6686
Bornyak, I. N. 2390
Borochov, A. 6775
Borodachev, M. N. 2741
Borojević, K. 4458
Borooah, A. 7514
Borowski, T. 6473
Boroznets, I. A. 2621
Borrajo, G. 1131
Borroto, C. G. 970
Bortnyak, N. N. 5125
Borys, M. W. 5249-5250, 5259
Bos, A. L. van den 4143
Bos, R. 1072
Bosabalidis, A. M. 3782
Bose, T. K. 2237, 4571, 6822, 7963, 8234, 9066
Boselli, M. 2077, 7423
Bosetto, M. 5240
Bosman, W. A. 5517
Bosolov, Ts. 8446
Bosshart, R. P. 8332
Bosticardo, V. 7430-7432
Boswell, S. B. 8140
Botelho, P. S. M. 9397
Botella, J. R. 2920
Botha, F. 4901
Botha, F. A. 7586
Botha, F. C. 1479, 5710, 6641
Böthig, B. 6183
Botos, G. 3394
Botta, B. 5189
Bottcher, A. B. 330
Böttcher, H. 1420, 6619
Botteghi, C. 5243
Bottini, A. T. 1138
Bou, E. 2564
Bouard, J. 2075-2076
Boubals, D. 19, 834
Boucaud-Maître, Y. 5167
Bouchard, A. R. 4048
Bouchard, C. J. 5560
Boucher, T. J. 1396
Boudreau, M. A. 6448
Boué, H. 6499
Boughediri, L. 9279
Bouharmont, J. 486
Bouillard, L. 3769
Boulter, M. E. 1011
Boum, M. 5325
Bouman, F. 5041
Bouman, H. 6633
Boumova, I. M. 1460
Bounaga, N. 9279
Bourgeais, P. 969
Bourgeois, W. J. 646, 5489
Bournat, P. 1189
Bouron, H. 6568
Boursiquot, J. M. 151
Bousquet, C. 1937
Boussaha, A. 3227
Bouwer, R. 7590
Bovalini, L. 1101
Bovi, V. 1861
Bovio, M. 1402, 7404
Bowden, B. F. 9146
Bower, C. C. 4689
Bower, J. 4925
Bower, J. P. 2505, 2507, 7015, 8167
Bowers, J. L. 5648
Bowhey, C. 6041
Bowlin, T. L. 557
Bowman, D. C. 423
Bowman, Y. J. L. 6021
Bown, A. W. 8429
Boxus, P. 4419, 4421, 4774
Boyd, D. R. 4983
Boydston, R. A. 4273
Boyle, F. A. 2099
Boyle, J. F. 2859
Boyle, T. H. 2234, 2258
Boyle-Makowski, R. M. D. 7261
Boyonoski, N. 4765
Bozhinova-Boneva, I. 4069
Boztok, Ş. 7540
Bozzani, A. 5009
Bracale, M. 2847
Bracho, E. 855
Bradfield, C. A. 4169, 4883
Bradford, K. J. 351, 873, 4195, 7807
Bragg, N. C. 8944
Brain, A. P. R. 2875
Brajendra Singh 5142
Bramlage, W. J. 6460, 6462
Branch, P. C. 1604
Branch, S. A. 5134
Brändén, C. I. 6604
Brandenburg, W. A. 5383
Brander, P. E. 6787
Brandis, A. von 7551
Branham, B. E. 1614
Braniște, N. 4741
Branzanti, B. 1994, 5735
Braquet, P. 3764
Brar, S. P. S. 8185
Brar, S. S. 1844, 2067
Brar, W. S. 5263, 6554, 7309
Brash, D. W. 280
Brask, T. 7002
Brasseur, T. 1115, 1771, 6991
Brathwaite, R. A. I. 3352
Braun, H. E. 2788, 3268
Braun, P. 2689
Bravo, B. 1113
Bray, D. H. 5227
Brazil, Instituto Agronômico, Campinas 792, 2620, 2670, 2688, 2884, 3155, 3175, 3187, 4018
Breaux, R. D. 8326
Brechbuhler, C. 7418
Brecht, J. K. 2821
Breckle, S. W. 4172
Brede, A. D. 3579-3580, 3584
Brede, J. L. 3584
Bredmose, N. 1583, 3638, 8950
Breedlove, C. K. 8030
Breen, P. J. 4063, 4912
Breeze, V. G. 5884, 8882
Breidenbach, R. W. 2917
Bremer, H. 7234
Brennan, A. T. 3431
Brenneisen, R. 2358, 8039
Brenner, M. L. 2169
Brett, C. T. 4919
Breuer, M. 394
Brevedan, R. 8797
Brevedan, R. E. 8795
Brewbaker, J. L. 1006
Brewer, H. L. 1530, 6720
Brewer, H. M. 4936
Brewster, J. L. 198
Breznovits, A. 3591
Bricault, M. 6403
Brielmaier, U. 6092
Brieskorn, C. H. 2611
Briggs, B. 3623
Briggs, W. R. 931, 2877
Brijendra Singh 2225, 7838
Brilman, L. A. 2963, 4382-4384, 7883
Brimacombe, J. 2326
Brindha, P. 9103
Brinker, A. M. 6549
Brinson, K. 4588
Brioso, P. S. T. 5862
Briskin, D. P. 2801-2802, 4120
Brisson, L. D. 409
Bristol, R. W. 6467
Bristow, P. R. 1368
Broadbent, F. E. 49
Brock, T. G. 918
Brocklehurst, P. A. 1547-1548, 4337, 4818, 4869
Brodbeck, B. V. 4009, 6506
Brodelius, P. E. 6998
Broeck, C. W. T. 5618
Broek, A. J. van den 429
Broekaert, W. F. 4489
Broembsen, L. von 9248
Broertjes, C. 8369
Brohier, L. 3865
Brokaw, R. 5257
Brokenshire, T. 4159
Brooke, B. M. 6509
Brooks, A. 2805
Brophy, J. J. 4564, 5116, 5118, 7981
Broquedis, M. 2075-2076
Broschat, T. K. 1025
Brosio, P. 2211
Brown, A. 5055
Brown, B. I. 3164, 3866, 8232, 8365
Brown, D. M. 7151
Brown, G. K. 183, 1323, 2607, 3982, 5485-5486, 6477, 7197, 8522-8523
Brown, G. R. 754, 5550
Brown, J. 4124
Brown, J. C. 333
Brown, J. H. 2206, 8149
Brown, J. T. 2606
Brown, K. 6570
Brown, L. 5079
Brown, P. H. 5878
Brown, R. T. 600
Brown, S. C. 5359
Brown, W. L. 5070, 7916
Browne, K. M. 85, 8930
Browning, G. 806, 7313-7314
Bru, R. 3347
Bruce, D. 220
Brückner, C. 3430
Brugger, M. F. 4309
Bruggink, G. T. 4312
Bruijn, J. de 4766
Bruin, P. N. A. 2957
Bruins, A. P. 9153
Bruinsma, J. 347, 971, 2926
Brumfield, R. G. 3931, 9042
Brummell, D. A. 7689
Brun, R. 2994, 4956, 8879
Brun, S. 2720
Brundrett, E. 4648
Brunel, E. 284
Brunelli, A. 5735, 5738
Brunengo, M. C. 1019
Bruneton, J. 8095, 8113
Bruni, A. 1120
Bruno, M. 6996
Brunold, C. 2143
Bruns, K. 5131
Brunswick, P. 7681-7682
Bruton, B. D. 5737
Bruyn, J. de 7366
Bruzzese, E. 4034
Bryan, H. H. 6706, 7714
Bryan, W. 5414
Bryant, J. A. 7662-7663
Bryant, R. J. 5211
Bryner, W. 7332
Brzesowsky, W. J. 9389
BSES Bulletin, Bureau of Sugar Experiment Station 6335-6336
Buana, L. 7009
Bubán, T. 1942, 5470
Bublik, N. P. 3753
Buchanan, B. B. 204, 2084
Buchanan, D. W. 4538
Buchite, H. J. 5686
Buchloh, G. 3465
Buchmann, S. L. 9224
Buchvarov, P. 7767
Buckle, K. A. 2892
Buckley, J. B. 4763
Bucklin, R. A. 4644
Bučková, A. 6812
Buczkowska, H. 296-298
Budhiraja, R. D. 3822, 9105
Budzikiewicz, H. 394
Budzyński, W. 601
Buehring, N. W. 1334
Bugaret, Y. 1392
Bugatti, C. 8017
Bugbee, G. J. 372
Bugnon, F. 7960
Bugorskiĭ, P. S. 6868
Buhr, L. 1157
Buiatti, M. 374
Buinova, M. G. 1659
Buitelaar, K. 319, 4299, 7752, 7758, 8750
Bukhbinder, A. A. 1239
Bukhov, N. G. 4254
Bukovac, M. J. 1993, 2919, 3269, 4969, 6496
Bukreeva, T. V. 3082
Bukshtynov, A. D. 1878
Bulacovschi, J. 636
Bulagay, A. N. 8559
Bularca, M. 7441

Bulard, C. 8712
Bulatova, T. N. 4178
Bull, R. M. 5340
Bulletin SROP 2
Bulychev, A. A. 7905
Bulygina, L. V. 3346
Bundschu, I. 6133
Bunea, A. 3241
Bünemann, G. 59
Bunt, A. C. 7113
Buonaurio, R. 4200
Burau, R. G. 2164
Burba, J. L. 7467
Burch, D. 2988
Burch, P. J. 5923
Burda, S. 6896
Burg, A. M. M. van der 4307
Burg, A. van der 7756
Burger, D. W. 2268, 4354
Burger, Y. 1469-1470
Burgess, G. J. 3982
Burgess, N. 1508, 7661, 7691
Burgess, S. M. 4459
Burghardt, H. 1023, 4158
Burgher, A. M. 821, 4035
Burian, K. 917
Burke, D. W. 7645
Burkhanova, È. A. 1481
Burkovskiĭ, V. V. 1284
Burks, M. L. 4468
Burlacu, G. 4216
Burloi, N. 2664
Burn, A. J. 7114
Burnea, I. 2331
Burns, I. G. 1440, 5666
Burns, J. K. 7787
Burns, M. 4054
Burns, R. E. 8990
Burow, M. 7619
Burr, T. J. 6443, 7396
Burrage, S. W. 5934
Burton, C. L. 3982
Burton, K. S. 3520, 5936, 8441
Bury, M. 6166
Burzo, I. 2095
Burzyński, M. 6649, 6667
Buschmann, C. 1459
Bush, D. S. 884
Bushnell, G. W. 9050
Businský, R. 2274
Bussell, W. T. 280, 7702
But, P. P. H. 1748, 8115
Buta, J. G. 2242
Butani, D. K. 4600
Butcher, D. N. 6749
Butenko, R. G. 3126, 6868
Butkene, Z. P. 2716, 4045
Butkienė, Z. 2716, 4045
Butkus, V. F. 2716, 4045
Butler, N. A. 7888
Butsugan, Y. 1759
Butterfass, T. 1899
Buttery, R. G. 3296, 4326, 4332
Butts, K. 4936
Buwalda, J. G. 246, 2021, 2846, 3398, 5532, 5727
Buxo, D. A. 1829
Buxton, J. H. 8621
Buyukli, S. V. 3017
Büyükyılmaz, M. 8559, 8564
Buyun, L. I. 6834
Buzuk, G. N. 1690
Bye, R. A., Jr. 3032
Byen, J. S. 8086
Byeong, W. Y. 3952
Byers, P. L. 135
Byers, R. E. 70, 760, 762, 7262
Bykova, R. A. 1295
Byrka, A. G. 1397
Byther, R. S. 6848
Byun, J. K. 4680, 4682, 5453, 5587, 7233
Cabala-Rosand, P. 1227, 8331, 9320, 9322
Cabalion, P. 3319
Caballero, E. 5112, 8044
Caballero, J. M. 8214, 8217, 9286
Caballero, M. C. 5112
Caballero, P. 1654
Cabanes, J. 3347
Cabezas, B. 8057
Cabirol, J. L. 7373
Cabitza, F. 5915, 6616
Cabo, J. 517, 1076, 1681, 6954
Cabo, M. P. 6954
Cabral, J. R. S. 6321
Cabras, P. 5915, 6616
Cabrera, A. 716, 1863, 6341
Cabrera, L. 1855
Cabrera Rodríguez, A. 5338
Cáceres, A. 2330, 2333
Cachon, D. 5748
Cacioppo, O. 6511
Cackler, S. D. 4796
Cadahía, C. 329, 2907, 4317
Cadahía López, C. 5889
Cadavid, I. 8041
Cadogan, B. L. 4765
Caesar, A. J. 6443
Cagiotti, M. R. 1072, 5148
Cahoon, G. A. 8290
Cai, D. G. 8103
Cai, J. H. 9028
Cai, R. Q. 6763
Caille, C. 7235
Cairol, D. 2903, 3489, 5394
Caixeta, T. J. 2857
Cakmak, I. 2129, 5464
Calabretta, C. 5869, 6724, 6779, 7181, 8957-8958
Calabrò, M. 8958
Calado, M. L. 6270
Calbo, A. G. 765
Caldeira, H. D. Q. de M. 2145
Calderón, J. 2402, 2435
Calderón, J. S. 1149
Caldwell, K. I. 7911
Calhoun, M. C. 5196
Calinawan, N. M. 3687
Calis, I. 6985, 8105
Calitz, F. J. 8576
Calle, J. 584
Callebaut, A. 6661
Callesen, O. 1364, 4038, 6415
Callewaert, D. 7654
Callow, P. W. 1367
Calò, A. 5574, 7132, 7403, 7437
Calvet, C. 5563, 5798
Calvo, A. 5300
Calzada, F. 8065
Calzolari, A. 1442, 2915
Calzolari, S. 6105
Calzoni, G. L. 3255
Camara, B. 4940
Camarasa, J. 871
Camargo, A. P. 1861
Camargo, U. A. 837
Cambrony, H. R. 4608
Cameron, I. 3331
Cameron, J. S. 1367
Cametti, C. 3139
Cammarata, S. 5593
Cammelli, A. 5023
Cammilli, A. 7446
Camorani, F. 6495
Camp, S. D. 333
Campacci, C. A. 8186
Campbell, A. M. 8134, 8149
Campbell, D. 4482
Campbell, D. T. 3506
Campbell, G. S. 7229
Campbell, K. L. 330
Campbell, M. M. 7239
Campbell, M. S. 2141
Campbell, S. J. 5295, 7057
Camper, N. D. 6078
Campiotti, C. A. 7163
Campisi, S. 4546
Campos, A. 5267
Campos, E. D. 8189
Campos, S. L. 7305, 7307
Camprubi, A. 5563
Canada, Brace Research Institute 5380
Canada, International Development Research Centre 7121
Canada, Kentville Research Station 12
Canaday, C. H. 6620
Cañal, M. J. 8526
Cañas, L. A. 665, 4559
Cancellier, S. 5574, 7388
Cannon, C. 7970
Cannon, S. 3450, 5831
Cano, P. 4711
Canova, A. 5848
Cánovas, F. M. 2920
Cantelo, W. W. 7639, 7779
Cantliffe, D. J. 4196, 4866, 4950, 6243, 6664, 6706, 7714
Cantos, M. 3276
Cantwell, G. E. 7639, 7779
Cantwell, M. 5290
Cantwell, M. A. 7639
Cao, J. H. 1181, 1776
Capanni, A. 6456
Capasso, F. 1773, 4473, 5170
Capellini, R. A. 8765
Caple, G. 9223
Caporale, G. 1121
Cappella, M. 6537
Cappelletti, E. M. 1121
Cappellini, P. 4673
Cappellini, R. A. 1325, 1522, 5480, 5500, 6634
Cappiello, P. E. 492
Cappon, C. J. 1405
Capra, A. 3138
Caraballo, E. 7709
Caraballo Llosas, N. 4952
Caraffini, B. 1980
Caramello, K. A. 6636
Carballo, J. 6941
Carbaugh, D. H. 70, 760, 762
Carbonneau, A. 160
Carceles, A. 8193
Carde, J. P. 4940, 5861
Cârdei, E. 2629, 6507
Cardellina, J. H., II 9171
Cárdenas, J. 1169, 3700
Carderan, J. O. 8339
Cardetta, G. 7375
Cardinaels, C. 7621
Cardinaels, L. 7280
Cardona, L. F. 1066
Cardoso, E. J. B. N. 649, 7628-7629
Cardoso, H. 4511
Cardoso, M. 3183
Cardoso, M. J. 6669
Cardoso, V. J. M. 4180
Cardus, J. 5916
Carey, K. 5571
Cargill, B. F. 5485
Cargnello, G. 6537
Carletti, M. G. 4960, 4967
Carli, G. 3299
Carlile, W. R. 8945
Carlotti, C. 5496
Carlson, D. G. 4146
Carlson, R. M. 117
Carmi, A. 343
Carmi, V. 8474, 8547
Carmo, C. A. S. do 4832
Carmona Benítez, O. 1225
Carnat, A. 3681
Carnat, A. P. 3680-3681
Carney, B. F. 3551
Caro, M. 647, 5802
Caron, J. 8885
Cárpena, O. 329, 2887, 2907, 4317, 5903
Carpena Artes, O. 5893
Carpenter, W. J. 478, 3005, 6099
Carpentier, R. 7499
Carpita, N. C. 5930
Carracedo, A. E. 1045
Carracedo Torres, A. E. 6323
Carrapiço, F. 5066
Carraro, S. 1391
Carreiras, M. C. 1645
Carreiras, M. do C. 9169
Carrera, M. 96
Carrera C., M. P. 2657
Carrijo, O. A. 5796
Carrillo Sanchez, J. L. 9338
Carrington, C. M. S. 7611
Carrington, N. J. 4324-4325
Carrión, M. 2321
Carrón, R. 3712
Carron, R. 8603
Carrow, R. N. 8990
Carseldine, M. L. 8212
Carson, J. M. 3931
Carstens, L. 9283
Carté, B. K. 1093
Cartechini, A. 7045, 7048
Carter, C. E. 5335
Carter, D. 6173
Carter, J. 4294
Carter, R. D. 3130
Carter, W. W. 5737
Cartia, G. 5849, 5860, 5924, 6709
Cartier, N. 5540
Cartujano-Escobar, F. 6755
Cartwright, B. 883
Caruso, J. L. 1910
Caruso, T. 9291
Carvalho, A. 4608
Casada, J. H. 6621
Casadevall, E. 639
Casal, A. 796
Casal, M. 3593
Casalicchio, G. 62, 4944
Casares Porcel, M. 6903
Casarotti, D. 5009
Casas Delgado, F. J. 7157
Cascone, G. 3928
Case, C. H. 6116
Casella, L. 4198
Caselles, J. 2887
Caser, D. V. 7152
Casero, P. J. 5644
Casey, M. L. 252, 7832
Casey, R. 7660
Cash, R. C. 1531
Casillas V., J. C. 2112
Casimiro, A. 5066
Casinovi, C. G. 1166
Cassady, J. M. 546, 602, 5182, 8092
Cassells, A. C. 3551
Cassini, S. T. A. 6672
Castagneto, M. 3330
Castagnoli, F. 1263, 6449
Castaigne, F. 8622
Castel, J. R. 3137
Castellanos, M. 4904
Castignetti, D. 4899
Castillo, F. J. 8708
Castle, W. S. 3127, 6243
Castner, J. L. 8992
Castrignanò, A. 6726
Castro, D. 2074
Castro, J. L. de 1489
Castro, O. 6941
Castro, V. 610
Castro Arzola, P. 3863
Castro-Jimenez, Y. 2277
Catalán, C. A. N. 7971
Catalano, F. 2535, 2541
Catalano, V. 7375, 7438
Cataldi-Lupo, C. M. 4546
Cataneo, A. 8275
Cathey, H. M. 2041
Catlin, P. B. 2015
Čatský, J. 3417
Cattivelli, F. 6703
Catzeflis, J. 8603
Caudal, Y. Trottin- 896
Caude, M. 5212
Cavalieri, D. 7402
Cavalieri, R. P. 2646, 3975
Cavalli, R. 7132
Cavanni, P. 5599
Cavé, A. 4495, 8056, 8095, 9219
Cave, C. R. J. 5989
Cavey, M. J. 8767
Cavin, J. C. 3702
Cawood, M. C. 6641
Cawood, M. E. 4901, 5710

Caygill, J. 9361
Cazacu, G. 636
Ceaușescu, M. E. 4151
Cebolla, B. 7548
Cebula, S. 216, 272, 275, 289, 502
Ceccarelli, N. 4696
Cecidologia Internationale 5318
Cecil, S. R. 5302
Cederlund, E. 6604
Celestino, R. C. A. 5330
Çelik, S. 5610, 5717
Çelikel, K. 9245
Celino, L. P. 4906
Cella, R. 6758
Celli, G. 179
Cembran, R. 5465
Centro Internacional de Agricultura Tropical 4199
Čepička, J. 1992
Ceponis, M. J. 1325, 1522, 5480, 5500, 6634, 8765
Cera, M. 7132
Cerdá, A. 647, 5802, 5904, 7771, 9290
Cerkauskas, R. F. 1550
Cernat, V. 4718
Cerón, W. 8127
Cerri, R. 9218
Cersosimo, A. 5572, 5574
Ceruti, A. 4000-4001
Cerutti, G. 4630
Cervato, A. 273
Červenka, K. 763
Červenka, K., Jr. 763
Cervone, F. 4230
Cesari, A. 1263
Cesario, M. 3733
Ceska, O. 9050
Céspedes, C. 623, 5224
Cessna, A. J. 5527
Cesur, S. 532
Çetin, H. 8529-8530, 8869
Çetiner, E. 9245
Ceustermans, N. 210, 230, 954, 978, 2097, 2118, 4331, 6730, 7468, 7539, 7760, 7762, 8666, 8886
Ceylan, A. 5163, 9145
Chaaban, M. 4638
Chachin, K. 4974, 8916
Chadha, K. L. 6551, 6557, 9353
Chadha, M. L. 8679, 8695
Chadha, M. S. 8099
Chadha, T. R. 8370, 8457-8458, 8517, 8531, 9284
Chadoeuf, R. 6953
Chadwick, A. V. 454
Chagas, C. M. 1818
Chagas, J. M. 6673
Chahal, B. S. 5266
Chahbar, A. 7049
Chahil, B. S. 8548
Chai, D. U. 5587
Chailahian, M. 8827
Chailakhyan, M. Kh. 2876, 3909, 4269
Chaillard, C. 3883
Chain, R. K. 5659
Chairani, M. 8299, 9316
Chakalova, E. S. 5764
Chakalova, S. 5763
Chakladar, B. P. 5357
Chakrabarty, B. K. 2158, 2547
Chakrabortty, T. 9108
Chakraborty, A. 3168
Chakraborty, P. K. 1485
Chakravarti, R. B. 3813
Chakravarty, A. K. 1661, 5228
Chakravarty, D. K. 7820
Challa, P. 4791
Chalmers, D. J. 46
Chalmers, D. R. 1611
Chalupa, A. 7655
Chambat, G. 5540
Chambers, B. J. 8944
Chambers, C. 883
Chamblee, T. S. 4553
Chamel, A. R. 7670
Champagnol, F. 2051
Chamuah, G. S. 8355
Chan, H. T., Jr. 703, 3885
Chan, K. C. 9168
Chan, L. G. 4575
Chan, L. R. 808
Chan, S. L. 8834
Chan Lai Keng 9375
Chan Tuet Han 3461
Chanana, Y. R. 4664, 7024, 8452, 8532
Chancy, H. R. 4213
Chand, P. K. 4719
Chand, T. 9347
Chandan Singh, 9172
Chander Mohan 9347
Chandler, C. K. 7367
Chandler, L. A. 4661
Chandler, R. F. 2395
Chandler, S. F. 228, 2832
Chandra, A. 1077, 2555, 3014
Chandra, K. 8048
Chandra, N. 5043, 5999, 6172, 9355
Chandra, P. 7167, 7735
Chandra, R. 7631
Chandra, T. 3059
Chandra Sekhar, K. N. 6262
Chandrahas 9380
Chandrashekarappa, K. N. 2215
Chandre Gowda, M. 9313-9314
Chaney, P. P. 1857
Chaney, R. L. 267, 3961
Chang, A. 3514
Chang, A. C. 242, 6605, 7505
Chang, C. J. 546, 602, 5182, 7789, 8092, 9115
Chang, D. C. N. 2880
Chang, H. L. L. 373
Chang, J. I. 5631
Chang, J. J. 6999
Chang, K. C. 8768
Chang, K. H. 4680, 4682, 5453, 7233
Chang, L. S. 789
Chang, S. K. 596
Chang, V. 9399
Chang, W. C. 983
Chang, Y. H. 3408
Chang, Y. S. 3186
Chang, Y. T. 9390
Chanukvadze, F. 8179
Chanukvadze, F. Sh. 3898, 6278
Chao, P. D. L. 9118
Chao de Báez, C. 8857
Chapman, D. J. 5654, 5822
Chapman, F. 7099
Chapman, J. C. 8182
Chapman, J. M. 7515
Chapman, L. S. 714
Chapon, J. F. 6497, 7270
Chapple, C. 6179
Chapple, C. C. S. 6927
Chapple, C. S. 5693
Chapuis, P. 8502
Charanjit Singh 286
Charbonneau, F. 5675
Charbonneau, J. 3496
Charifi-Tehrani, A. 5739
Charles, B. 8113
Charles-Edwards, D. A. 7653
Charlot, G. 1356
Charlton, W. A. 683
Charlwood, B. V. 2606
Charmillot, P. J. 118, 163
Charrier, A. 4608
Chartier, A. 87
Chase, A. R. 406, 431, 442, 498, 1030, 1243, 1596, 2260, 2967, 2971-2972, 3586, 3588, 3600, 4397-4398, 4401, 5051, 7892, 7924, 7937, 9005-9007
Chase, M. W. 3612, 6831
Chase, W. R. 5719
Chastain, T. G. 8994
Chatfield, J. M. 922
Chatha, G. A. 1208
Chatt, A. 721
Chatterjee, A. 5282, 9216
Chatterjee, B. K. 5357
Chatterjee, B. N. 9075
Chatterjee, M. 3116
Chatterjee, P. 5282
Chatterjee, S. 2364, 9111
Chatterjee, S. K. 9099, 9101, 9136
Chatterjee, V. C. 5740
Chattopadhyay, P. K. 8234
Chattopadhyay, S. 9178
Chaturvedi, H. C. 4355
Chaturvedi, R. 1117
Chau, K. V. 2609, 2739
Chau-Thi, T. V. 610
Chaudhari, P. 5831
Chaudhary, K. C. B. 8717
Chaudhary, S. K. 9050
Chaudhry, I. H. 6176
Chaudhuri, K. 8038
Chaudhuri, P. K. 1653, 6943
Chauhan, A. K. 4470, 6944
Chauhan, B. M. 1821
Chauhan, J. S. 768, 8455-8456, 8531
Chauhan, K. S. 5353, 6629, 8184, 8290
Chauhan, M. S. 8847
Chauhan, P. S. 8512
Chauhan, R. K. S. 1519
Chauhan, S. V. S. 2281
Chauhan, V. 2439
Chauhan, Y. S. 9207
Chaukiyal, D. C. 3026
Chaumont, D. 1189
Chaurasia, N. 1777, 8117
Chausov, V. M. 2063
Chauvrière, G. 3773
Chavagnat, A. 4622
Chavan, P. D. 2860
Chavan, T. L. 4155
Chaves, C. G. 4492
Chávez, I. 6341
Chávez, M. A. 9084
Chavez-Soto, M. A. 3087
Chawla, A. S. 7943
Chawla, H. M. 8038
Chayen, R. 3849
Che, C. T. 4487
Cheah, L. H. 5544, 6521
Cheah, U. B. 4323
Checkai, R. T. 5878
Chee, K. 8689
Chee, P. P. 7588
Cheema, A. A. 5402
Cheema, S. S. 2067, 4070, 4812, 5316
Cheeseman, J. M. 7523
Chekan, A. S. 4684, 4722
Chekrygin, P. M. 5782
Chelvan, R. C. 6557
Chen, C. C. 3528, 3663-3664, 5138
Chen, C. S. 3130
Chen, F. H. 2426
Chen, G. Y. 1132
Chen, H. M. 591
Chen, J. 590
Chen, J. F. 3250
Chen, J. N. 2531
Chen, K. F. 7700
Chen, K. H. 7287
Chen, M. H. 3272
Chen, N. J. 2532, 2576, 7964
Chen, P. 5515, 6079
Chen, P. K. 8148
Chen, P. M. 6500
Chen, Q. Y. 1065
Chen, S. 2322, 2428
Chen, S. J. 1477
Chen, S. L. 6805
Chen, S. Y. 537
Chen, T. H. 7804
Chen, T. L. L. 3563
Chen, T. S. 2891
Chen, W. 3794, 5217
Chen, W. D. 1474
Chen, W. F. 269
Chen, W. H. 4591
Chen, W. J. 7031
Chen, W. S. 1222
Chen, X. 511
Chen, X. Y. 2519
Chen, Y. 1141, 2185, 7147, 7176, 7901
Chen, Y. L. 5676
Chen, Y. P. 1710
Chen, Y. Y. 3740
Chen, Y. Z. 3044, 9192
Chen, Z. F. 6266
Chen, Z. L. 549, 2347
Cheng, B. T. 5388
Cheng, C. T. 7700
Cheng, E. Y. 8732
Cheng, G. 858
Cheng, J. L. 9192
Cheng, K. F. 1748
Cheng, M. C. 9220
Cheng, T. S. 7789
Cheniclet, C. 4940, 5861
Chenieux, J. C. 5220
Cheong, S. T. 5352
Chepinoga, I. S. 1918
Chepote, R. E. 3009
Cherevatyi, V. S. 1702
Cherkezishvili, E. A. 3128
Chermnykh, L. N. 7609
Chernenko, E. S. 4693
Chernoborodova, S. 6220
Chernova, L. V. 6658
Chernyad'ev, I. I. 3538
Cherry, N. J. 6546
Chesneaux, M. T. 5971
Chet, I. 1291, 3502, 4824
Chetvernya, S. A. 562
Cheung, W. K. 3100
Chevalier, M. 7657
Cheverry, J. L. 3263
Chew Oe Kheng 3184
Chezhiyan, N. 2941, 6864, 7949
Chhabra, B. R. 9240
Chhabra, S. C. 3704
Chhetri, K. B. 9136
Chhibba, I. M. 7077
Chhonkar, V. S. 7600
Chi, H. J. 1731
Chia, T. F. 7907
Chialva, F. 4451
Chiang, W. 3408
Chiappeta, A. A. 6960
Chiappeta, A. de A. 2442
Chiappini, I. 613
Chib, H. S. 1395, 1839
Chiba, S. 4106, 8244
Chichea, I. 2331
Chichignoud, C. 5602
Chichiriccò, G. 1059
Chien, L. F. 8705
Chikovani, D. M. 3784, 3850, 9268
Chikushi, J. 7144
Child, R. 504
Chile, Sociedad Agronómica de Chile 2581, 3209
Chile, University of Tarapaca, Institute of Agronomy 673
Chilembwe, E. H. C. 6243
Chima Wokocha, R. 4321
Chiment, J. J. 4876
Chin, C. K. 1517-1518, 5840
Chin, C. L. 5358
Chin, H. F. 5299
China, Changli Institute of Fruit Growing 94
China, Station of Soils and Fertilizers, Quanzhou Municipality 9391
Chinnan, M. S. 4329
Chiotha, S. S. 525
Chirculescu, N. 2053
Chirva, V. Ya. 9158
Chisari, G. 586
Chism, G. W., III 1267
Chism, W. J. 7828
Chitkara, S. D. 8964, 9348
Chitra Pande 7975-7976
Chittiraichelvan, R. 6551
Chiu, R. J. 2558
Chiu, S. F. 2519

Chkhaidze, D. Kh. 1061, 3008, 7957
Chkhaidze, G. I. 6349-6350
Chkhaidze, L. V. 2002
Chkhikvadze, G. V. 2450
Chlebowski, B. 5021
Chmela, V. 3350
Cho, J. L. 4984, 7717
Cho, J. T. 5024
Cho, M. D. 4698, 5454
Chobanu, A. N. 5581
Choe, J. S. 5510
Chohan, G. S. 6555, 7020, 7023, 8172, 8185, 9250
Choi, D. G. 4694
Choi, G. H. 3686
Choi, J. K. 5028, 6095
Choi, J. S. 4814, 5454
Choi, K. S. 5853
Choi, L. 6179
Choi, S. O. 6028
Choi, S. Y. 7246
Choi, Y. C. 2151
Choi, Y. H. 9114
Choi, Y. W. 4984
Cholakov, D. 3498, 4965, 5894
Choleva, B. 8866
Chong, C. 3615, 8606
Chong, P. C. 4946
Chopra, H. R. 4731
Chopra, R. K. 2806
Chopra, S. K. 8472, 8517, 8587-8588
Chou, C. S. 8071
Chou, Q. 2084
Chou, W. H. 2426
Choudhary, M. I. 2355, 6923, 8033, 9127, 9129
Choudhuri, P. C. 4465
Choudhury, E. N. 2843
Choudhury, M. D. 3199
Choudhury, S. N. 9078
Chow, H. T. 8304
Chow, W. S. 938-939
Chow, Y. J. 5407
Chowdhury, B. K. 2444
Chowdhury, B. L. 542
Chowdhury, J. 4452
Chowdhury, J. B. 1810
Chrimes, J. R. 5751
Chrispeels, M. J. 2126, 2863, 4203
Christen, P. 3093
Christensen, J. V. 59
Christensen, M. H. 3225
Christensen, O. V. 6801
Christensen, S. B. 8077
Christians, N. E. 7887
Christinet, V. 1965
Christov, C. 6374, 8827
Chrominski, A. 5730
Chrungoo, N. K. 6863
Chu, C. L. 1300, 3970
Chu, J. Q. 6870
Chu, L. M. 4825
Chuang, T. Y. 7060
Chubey, B. B. 7986
Chubrin, A. I. 4281
Chuclá, M. T. 8041
Chuda-Mickiewicz, B. 7556
Chude, V. O. 9315
Chueca, A. 203, 1433
Chukhno, V. I. 2839
Chulia, A. J. 583, 4994, 8073
Chulkova, I. E. 1111
Chun, C. K. 6028
Chun, Y. W. 7143
Chundawat, B. S. 2548-2549
Chung, C. M. 8085
Chung, G. Y. 3542
Chung, H. D. 5723, 6584, 6648
Chung, H. Y. 1170, 9198
Chung, J. D. 6028
Chung, S. J. 3560, 8747
Churchill, D. B. 3147
Chvojka, L. 740
Chweya, J. A. 5698
Chzhao, A. E. 2002
Cianciara, Z. 2024
Ciano, A. di 6556
Ciavatta, C. 4944
Ciccarese, F. 4297
Cicco, V. de 7240
Cid, L. P. B. 8297
Cid, M. V. 7467
Ciesielska-Piper, J. 6437, 6454
Cilas, C. 2551
Cimanowski, J. 1290, 6444
CIMAP Newsletter 9134
Cimato, A. 8219
Cinovskis, R. 5364
Cione, J. 1861
Ciota, G. 4463
Cipriano, T. 5924, 6709
Cirami, R. M. 7385
Cireaşă, E. 6552
Cireaşă, V. 6535
Cirino, G. 4473
Cîrstea, A. 6476
Cirulli, M. 4297
Çisar, J. L. 5049
Čištínová, I. 4154
Civerolo, E. L. 1553
Claassens, N. J. F. 2486
Claeys, M. 3083
Clark, A. M. 6235, 8045
Clark, B. C., Jr. 4553
Clark, C. J. 4030, 5529, 5532
Clark, G. A. 8883
Clark, H. D. 7623
Clark, J. R. 4763-4764
Clark, R. A. 7723
Clarke, B. B. 410, 2963-2964, 7883, 7885
Clarke, R. J. 4608
Clarkson, D. T. 942
Classen, B. 1660, 9089
Classen, R. 1669
Clay, D. V. 5537
Clayton-Greene, K. A. 5545, 7354
Cleal, R. A. E. 6681
Clegg, M. D. 7596
Clegg, M. T. 2942, 5995
Cleland, R. E. 1428, 7641
Clemens, J. R. 5486, 7197-7198
Clement, C. R. 7111
Clementel, F. 6882
Clementi, F. 2525
Clements, M. A. 6057, 9017
Clevette-Radford, N. A. 1782
Clifford, D. R. 4690
Clifford, M. N. 694
Clijsters, H. 7621
Cline, K. 8817
Cline, M. G. 996
Cline, R. A. 1300, 1339, 5595
Clingeleffer, P. R. 7385
Clothier, B. E. 2019
Clowes, M. St. J. 3896
Čmelik, Z. 47
Çınar, A. 9245
Coaker, T. H. 7114, 7801, 8925
Coan, O. 9344
Coats, G. E. 1612, 2965, 3577-3578
Çobani, H. 4304
Cobb, A. C. 5647
Cobb, G. S. 1041, 6088
Cobianchi, D. 62, 4721, 6456-6458, 6498
Coca, N. 3240
Cocallemen, S. 5865
Cochet, J. P. 3371, 6609, 6611
Cock, M. J. W. 3910
Cocking, E. C. 1, 4591
Cockshull, K. E. 5989
Cocozza Talia, M. 1597-1598, 1600, 1606, 6814
Cocucci, M. 6564
Cocucci, S. 6564
Codina, C. 2231, 7834
Cody, Y. S. 5416
Coetzee, H. 7016
Coetzer, L. A. 2491
Coffelt, M. A. 992, 9041
Coffey, B. N. 4380
Coffey, D. L. 860, 6620
Coffey, M. D. 7012
Coffin, W. 4634
Coffin, W. L. 6404
Coffman, C. B. 599
Coggins, C. W., Jr. 4545
Coggins, J. R. 2141
Cohat, J. 8972
Cohen, A. 2514, 6253
Cohen, E. 3847-3848, 6259
Cohen, J. D. 7287
Cohen, L. 2848
Cohen, R. 1469, 5733
Coker, F. A. 1261
Colapietra, M. 3336, 7407-7408
Colbaugh, P. F. 5947
Colbert, F. O. 4348
Colbow, K. 220
Cole, A. L. J. 1632
Cole, R. A. 2927, 4132
Coleman, W. J. 8699
Colijn-Hooymans, C. M. 7590
Colin, P. 2114
Collado, J. G. 2908
Collazos S., H. H. 6279
Collet, G. F. 1931, 3636
Collins, D. J. 9146
Collman, S. J. 6848
Colmenares, J. C. 856, 1401
Colombia, Instituto Colombiano Agropecuario 3213
Colombini, F. 7778
Colombo, M. 8948
Colombo, M. L. 1096, 8017
Colopi, N. 7721
Colozzi-Filho, A. 7071-7072
Coltman, R. R. 1533, 4314, 5531, 7720
Coly, E. V. 8670
Côme, D. 1955
Comerford, J. G. 2850
Cömezoğlu, S. N. 8030
Commission Internationale de la Vigne et du Vin 7132
Commission of the European Communities, Directorate-General, Science, Research and Development 7122
Compadre, C. M. 2403
Compan, D. 7390
Conan, M. 6156
Conde, A. R. 2857
Conde, M. P. S. 861
Conijn, C. G. M. 2951, 6027
Conner, A. J. 624
Conner, J. M. 433
Conover, C. A. 436-437, 442, 1027, 2250-2252, 2970, 5052-5053, 8996, 9006
Conrad, R. S. 310
Conrads, J. 3452
Consalter, A. 4760
Considine, J. A. 6100, 6513
Consorti, S. B. 321
Constabel, F. 1723, 5359
Constable, G. A. 270
Constante, J. F. 4688
Constantin, R. J. 3537
Constantinescu, O. 1655
Constenla, M. A. 6919
Conte, L. 7446
Conti, L. 5243
Conticini, L. 2587, 8366
Continella, G. 1789
Contreras, C. M. 1717
Conway, W. S. 778, 1341, 6459
Cook, D. 4564
Cooke, A. R. 7123
Cooke, J. R. 7255
Coolen, E. A. J. M. 4312
Cools, M. H. 4133-4134, 4864, 5663, 8710-8711, 8740, 8867-8868, 8870
Coomans, A. 4782
Coombe, B. G. 1402, 4801, 6572
Cooper, R. B. 2243-2244
Cooper, R. J. 5050
Cooper, T. 2074
Cooray, N. F. 1750
Coppola, V. 6539
Coral, F. J. 8244
Coran, S. A. 4506
Corazza, L. 4751
Cordeiro, A. T. 7520
Cordeiro, C. M. T. 1505
Cordell, G. A. 582, 1123, 1767, 2393, 8055, 9144, 9157, 9159, 9176
Cordero, A. 3397
Cordes, D. 2638
Cordon, C. 4651
Cordonnier, R. E. 5613, 6571
Corelli, L. 736, 3284
Corelli Grappadelli, L. 4623
Corey, K. A. 256, 3407, 4963
Corgan, J. N. 8680-8681
Corino, L. 7394
Corkill, J. A. 1628
Cormier, F. 1384
Cornejo, P. 7428
Cornelius, P. L. 754
Cornett, J. W. 6859
Cornic, G. 4848
Cornu, A. 5997
Cornu, D. 5484
Cornwell, K. L. 4251
Corominas, E. 7178
Coronel, C. 2755
Corr, B. E. 417
Corradini, D. 3451
Correa, J. I. 2781
Correa, M. 2337
Correa Gerard, V. 5321
Correya, M. 5227
Corrijo, O. A. 5795
Corsaro, M. M. 1150, 5046
Cortes, D. 8025
Cortés-Flores, J. I. 5258
Cortez, J. G. 696
Corti, C. 2088
Corvi, G. 2537
Corzo, P. 836, 855, 2755
Coscia, C. J. 600
Coseteng, M. Y. 3266
Cosgrove, D. J. 8815
Cosmin, S. 4151
Coşocariu, O. 3030
Cossio, F. 7388
Costa, A. A. 4596
Costa, A. S. 1843, 7427, 7616
Costa, G. 3230, 3257, 7265
Costa, J. 8872
Costa, L. M. 7102
Costa, R. A. da 4207
Costache, M. 2053
Costacurta, A. 5573-5574, 7437-7438
Costanzi, M. 8998
Coster, J. de 53
Costes, E. 661
Costigan, P. A. 235, 5625, 5665
Coston, D. C. 4623
Costs, J. L. S. 7094
Coté, G. G. 494
Cotorobai, M. 3283
Cotten, B. C. 812
Cotter, D. J. 7722
Cottignies, A. 4928
Cotton, D. 8644
Cotty, P. J. 1441
Couey, H. M. 7088
Coughlan, S. J. 5653
Couladi, M. 5128
Coulibaly, N. 8253
Coune, C. 3812
Coussio, J. D. 1131, 1766, 8097
Coutisse, S. 8409
Couture, R. 8622
Couvillon, G. A. 5456
Covas, F. Gallardo- 2553
Cowan, I. R. 7118, 8672
Cowen, R. K. D. 7857
Cowper, A. S. 974-976
Cox, D. A. 5062, 6771, 7929
Cox, K. 471
Cox, P. J. 1767
Cox, R. J. 5955
Coxwell, M. A. 1658
Coyne, D. P. 7596

Cozzi, M. 5158
Crabbé, F. 1787, 9374
Crăciun, I. 2095
Cragg, G. M. 1727
Craig, W. E. 105
Crain, R. C. 494
Craker, L. E. 2296
Crandall, P. G. 2174, 2925
Crane, J. C. 2009
Crane, J. H. 2032, 4047, 7353
Cravedi, P. 3299
Craveiro, A. A. 9080
Crawford, A. M. 8261
Crawford, L. A. 8429
Crawford, N. A. 204
Crawford, R. M. M. 2952
Creager, R. A. 5846
Creasy, L. L. 6549
Creemers, P. 5566
Crespo, G. M. 4210
Crespo, M. E. 1076, 1681, 7989
Cresswell, C. F. 7681-7682
Cresswell, R. C. 3063
Crestani, O. A. 1818
Creswell, T. C. 4044
Crèvecoeur, M. 4129
Crevier, H. 8682
Cribb, P. J. 9011, 9013
Cripps, J. E. L. 7236
Crişan, A. 4370
Crisosto, C. H. 8562
Crisp, C. M. 64, 3312
Cristoferi, G. 7126
Critchley, C. 2806
Critten, D. L. 2592, 2595-2596, 2601-2602, 6407, 8415
Črnko, J. 1936
Crochon, M. 3908
Crocker, T. E. 4053
Crofts, A. 3440
Crofts, A. R. 3443
Croisille, F. 3369
Croisille, Y. 3369
Croissant-Sych, Y. 9063
Croix, E. A. S. La 2533
Cronauer-Mitra, S. S. 6284-6285
Crosby, T. S. 415
Crosier, D. C. 5647
Croteau, R. 6137
Croxdale, J. 4351
Cruden, R. W. 8435
Crute, I. R. 4872
Cruz, G. 3137
Cruz-Conde Suárez de Tangil, J. 9293
Cruz Filho, J. da 7464
Cruz Mallona, A. 8246
Csáki, G. 7966
Csapó, É. 2371
Cserjési, Z. 3732
Cserni, I. 3516
Csizinszky, A. A. 4879, 5685, 5725
Csontos, G. 7656
Çıtır, A. 4201
Cuartero, J. 8872
Cubeddu, M. 6616
Cubero, A. 8221
Cuca S., L. E. 724, 7001
Cuellar, N. 6334
Cuellar Ayala, I. 5338
Cugudda, L. 5977, 6738
Cui, K. M. 578
Cui, Y. X. 9192
Culcea, V. 4074
Cull, B. W. 8163
Cullers, P. 5837
Culliney, T. W. 4876
Cumbie, B. G. 6518
Cumming, J. R. 5752
Cummings, R. D. 6205
Cun, S. X. 7337
Cundari, C. M. 5559
Cunninghame, M. E. 7676
Cunsolo, F. 6187
Currah, R. S. 9018-9019
Curry, E. A. 8448
Curry, K. J. 452-453
Curtis, C. E. 3233
Curvetto, N. 8797
Curvetto, N. R. 8795-8796
Cury, D. M. 8720
Cusidó, R. M. 2231, 7834
Custers, J. B. M. 5966
Cutcliffe, J. A. 2933, 3304
Cutiño, L. 1232
Cutler, A. J. 3064
Cutting, J. G. M. 2505, 2507, 7015, 8167
Cvopa, J. 1326
Cvopová, E. 1326
Cyong, J. C. 2425
Cyprus, Agricultural Research Institute 731
Cyr, R. J. 6809
Czarnowski, M. 338
Czechoslovakia, Association of Specialized Enterprises 1882
Czekalski, M. 3002
Czygan, F. C. 2443
Czynczyk, A. 790
Da Ponte, J. J. 7708
Da Silva, G. L. S. P. 7152
Da Silva, L. A. 4300
Da Silva, W. S. 8258
Daandaí, G. 6972
Dabash, T. S. 4112
Dabek, A. J. 505, 1671
Dabin, P. 486, 4433
Dabizhuk, T. M. 7348
Dadoun, H. 4495, 8025
Dafni, A. 3031
Daftari, L. N. 1476
Dagan, J. 8881
Dagne, E. 4525, 5232, 6230
D'Agostino, M. 1747, 6935
Dahari, T. 1469
Dahatonde, B. N. 2308, 2315
Dahiya, I. S. 6122
Dahiya, S. S. 2072, 4582, 5309
Dahse, I. 5774, 8798
Dahshan, D. I. 2556, 6309, 7278
Dai, Y. R. 534
Daie, J. 1518, 2179
Daikh, H. 2526
Dailey, R. G., Jr. 8030
Daily, A. 3778
Dal Bó, M. A. 7102
Dale, A. 1363
Dale, J. E. 2130, 4907, 6676
Dale, J. R. 8228
Dale, M. R. T. 7622
Dalet, F. 5484
Daletskaya, I. A. 7693
Daley, L. S. 3936
Daljit Singh 4156, 4954, 8748, 8842
Dalldorf, D. 1847
Dalldorf, E. R. 9376
Dalpasso, P. 6055
Dalsou, V. 4353
Dalton, B. R. 1468
Daly, E. J. 7622
Dam, M. van 6023
Dam Tkhe Van 1729
D'Amato, A. 2313, 6142
Damato, G. 7721
Dambré, P. 385, 7877
D'Amelio, E. D'A. 4407
Damen, P. M. M. 8918
Damidaux, R. 3487
Damme, E. J. M. van 1627, 8968
D'Amore, R. 5621, 5864, 6399
Dan, S. S. 533
Dana, M. N. 456, 1251, 2034, 8607
Dance, H. M. 8227
Danek, J. 827
Dang, Y. P. 3190
D'Angelo, G. 5076, 9002-9003
Danguin, J. 5602
Daniel, C. 3890, 9367
Daniel, P. P. 7662
Daniells, J. W. 3870, 5295, 7057, 7059
Daniels, D. D. 3494
Daniewski, W. M. 2194
Danin, A. 3672
Dann, I. R. 2000
Dános, B. 2306, 3815
Danışman, S. 8475
Danu, N. S. 2202, 2228
Danwitz, H. von 7928
Daood, H. G. 7770
Daponte, T. 4639
Darbour, N. 5169
Darekar, K. S. 9373
Daris, B. T. 2048
Darisse, F. 8416
Darmograi, V. N. 3804
Darné, G. 3345, 4788
Darnell, R. L. 146, 148, 2043
Darolles, C. 4956
Darr, S. C. 4922
Darshan Singh 2090, 5779
Darvas, J. M. 2476, 2479, 2483
Das, M. K. 8675
Das, P. C. 5151
Das, P. K. 6151, 6280
Das, R. P. 2158
Das, T. K. 5937
Das, V. S. R. 2300
Dasberg, S. 6253
Dascălu, C. 6468-6470
Dasgupta, M. 9120
Dashdamirov, Z. 1209
Daskalova, E. 5195
Daslin, A. 8310
Dastane, N. G. 2590
Dastidar, P. P. G. 8019
Datar, V. V. 4071, 4586
Datnoff, L. E. 4878
Datta, M. 7571
Datta, N. 2878
Datta, P. C. 3116
Datta, P. G. 8096
Datta, S. K. 2985-2986, 3734, 5005, 8096, 8952, 9100, 9120, 9130, 9178
Datuadze, O. V. 3834
Dau, H. 1427, 6603
Daubeny, H. A. 1372, 7347
Daulatabad, C. D. 9132
Daulatabad, C. M. J. D. 6364
D'Aulerio, A. Z. 7289
Daulta, B. S. 7301
Dautrebande, S. 2856
Dave, B. 1355, 7064
Dave, Y. 2574
Davenport, T. L. 1201
Davey, M. R. 3923, 4591, 4719
Davi, R. 5738
Davicino, J. G. 5197
David, B. V. 8844
David, F. 2313, 6261
David, I. 5498
David, N. 8824
Davide, R. G. 3472, 6742
Davidescu, V. 2628
Davidson, C. G. 7945
Davies, D. L. 7229
Davies, F. S. 2032, 3132, 4047, 6245, 7353
Davies, F. T., Jr. 2277, 2280, 4423
Davies, P. J. 7192
Davies-Coleman, M. T. 631
Davioud, E. 4517
Davis, A. R. 8799-8800
Davis, G. A. 1332
Davis, J. E. 3150
Davis, J. M. 3512
Davis, K. R. 8749
Davis, P. F. 7173
Davis, P. L. 7026
Davis, R. W. 1028
Davis, T. A. 6362
Davis, T. D. 1040, 5759, 7156, 7493
Davis, W. B. 423
Davison, A. D. 6848
Davison, A. W. 7625
Davletbaeva, É. G. 2709
Davoust, D. 8076
Davydov, A. M. 4157
Davydov, V. S. 1702
Dawson, A. L. 7515
Dawson, A. P. 2850
Dawson, I. A. 9233
Daxenbichler, M. E. 4146
De, D. N. 3648
De, S. 3734, 9130
De, S. K. 3376
De Abreu, J. M. 4589
De Albuquerque, J. A. S. 833
De Albuquerque, T. C. S. 833
De Almeida, H. A. 8258
De Araújo, A. C. 6296
De Arriola, M. C. 4904
De Barros, F. 9010
De Beer, P. R. 4803
De Bruijn, J. 4766
De Bruyn, J. 7366
De Díaz, A. M. P. 4511
De García, E. 3595
De Gelder, A. 5972
De Graaf, R. 6387
De Greef, J. A. 2973
De Haan, P. 8165
De Jong, J. 7835
De Kimpe, N. 1687
De Kok, L. J. 6593
De Koning, A. N. M. 7162, 7784
De Kouchkovsky, F. 5674, 8714
De Kouchkovsky, Y. 8714
De Kreij, C. 9000
De la Messelière, C. 1079
De la Torre, C. 8687
De la Torre, M. C. 6231, 6996
De Langhe, J. E. 3603
De Las Alas, R. A. 749
De Leener, P. 6367
De Leon, R. 4904
De Lint, P. J. A. L. 5390
De Luca, V. 3064, 4482
De Mel, J. G. 8316
De Mélio, J. F. 6960
De Michelis, M. I. 3390
De Moraes e Souza, M. A. 6960
De Oliveira, A. B. 4495, 8025
De Oliveira, F. 6895
De Pascual T., J. 5112
De Pelsmaeker, M. 4782
De Petter, E. 2973
De Pooter, H. L. 5126
De Rouin, N. 8885
De Ruijter, A. 6662
De Silva, K. T. D. 6906
De Silva, L. B. 8119
De Simone, F. 6181, 6935, 9218
De Siqueira, N. C. S. 4492
De Smet, G. 8730
De Sousa, M. P. 9080
De Souza, J. L. 4832
De Tommasi, N. 8034-8035
De Villiers, E. A. 1813, 2008, 5319
De Villiers, O. T. 2681-2682
De Vrie, M. van 7835
De Winnaar, W. 5327, 9309
De Zanche, C. 7132
Dea, I. C. M. 6021
Deahl, K. L. 1553
Deambrogio, F. 7849
Dean, J. L. 9381
Deans, S. G. 8027
Dearman, J. 1547-1548, 4337, 4818
De'ath, M. R. 7888
Deb, D. K. 501
Debenedetti, S. L. 1766
Debergh, P. C. 3422, 4626
Debnath, S. 3124, 7019
Debourges, D. 8056
Debray, M. 3795
Deby, C. 1115, 3764
Decazy, B. 8253
Decicco, C. P. 1161, 8091, 9185
Declercq, J. P. 1687
Décosterd, L. A. 1686
Decoteau, D. R. 3494

Dedonder, A. 2973
Deeb, A. S. El- 7994
Deepak, S. 1810
Defrance, H. 100
Defrancesco, E. 4004
Degeyter, L. 499, 8524
Degli Agosti, R. 3367
Degrà, L. 4230
DeGrandi-Hoffman, G. 7250
DeGroot, R. 8342
Degtyareva, L. P. 6159
Dehal, S. S. 6137
Dehan, K. 5967
Dehgan, B. 1617, 1663
Dejeu, L. 2765
DeJong, T. M. 6488
Deka, K. C. 5867
Dekanosidze, G. E. 8036
Dekov, D. 2125
Del Rayo Camacho, M. 6930
Del Tredici, P. 2999
DelaCruz, A. 1235
Delatorre, J. 8127
Delaude, C. 629, 4524
Delen, N. 4802
Delgado, G. 9084
Delgado, L. S. 1138
Delitala, L. F. 518
Della Strada, G. 4714
Dellacecca, V. 4131, 5917-5918
Delle Monache, F. 5189, 6960
Delle Monache, G. 5189
Delmas, J. M. 2534
Delmas, M. 4344
Delmastro, S. 8797
Delmastro, S. E. 8795-8796
Delrieu, M. J. 5823
Delrot, S. 1497
Delsol, E. 8253
Deltour, J. 8409
DeLuca, V. 1722
Delwiche, M. J. 104, 2683, 4011, 4660, 7194, 7254, 7310
DeMarco, A. C. 3978
Demarly, Y. 2526
DeMason, D. A. 6119-6120, 6262, 9047
Dembitskiĭ, A. D. 3019
Demchak, K. T. 5897
Demchenko, N. I. 2612
Demenko, V. I. 2740
Demidov, E. S. 7715
Demir, Ş. 9281
Demkin, V. I. 274
Demmig, B. 2974
Demmink, J. F. 5966, 5973, 5980
Demri, O. 1469
Den Berg, M. A. van 1800
Den Ouden, H. 8727, 8729, 8923
Den Outer, R. W. 6750
Denardi, F. 773
Deng, F. X. 1181, 1776
Deng, G. R. 9396
Deng, J. H. 560
Deng, X. 3250
Deng, X. W. 3436
Deng, Y. J. 6920
Deng, Z. B. 6869
Dengre, S. I. 5154
Denis, P. 2903, 3489, 5394
Denisov, V. F. 6423
Denisova, L. Ya. 5035
Denmark, H. A. 9021
Denne, M. P. 6066
Dennenberg, R. J. 8820
Dennis, F. G., Jr. 1902
Dennis, T. J. 6203
Deno, H. 2382
Denyer, K. 5830
Deokar, C. D. 946
Deol, G. S. 8855
Deol, I. S. 4005
Deore, B. P. 7711
Deraman, M. 8302
Derchue, D. 6953
D'Ercole, N. 6397
Dereuddre, J. 6774
Derevinskaya, T. I. 4478
Derks, A. F. L. M. 7866
Dernoeden, P. H. 1022, 6040
Derolez, J. 5922
Derot, J. M. 8656
Derr, J. F. 1637
Derviş, Ö. 3134
Desai, B. B. 729
Desai, H. K. 9109
Desai, S. J. 6975
Desai, U. T. 8861
Desai, V. B. 5231
Deseö, K. V. 8949, 8998
Desevedavy, C. 5143
Deshmukh, P. P. 5636
Deshmukh, S. K. 6152
Deshmukh, S. N. 2148
Deshmukh, V. D. 2301
Deshpande, P. B. 3174, 8265
Desjardins, Y. 141, 281, 2039
Desmarest, P. 6953
Desriac, P. 8402
Dessaune Filho, N. 4832
Dest, W. M. 424
Desyatnichenko, A. M. 2512
Dethe, M. D. 4512
Detrez, C. 3546
Dettori, S. 7046
Deu Drijver, L. 3881
Deuss, J. 7069
Dev, S. 2369
Devaiah, K. A. 9037
Devaraj, S. 5215
Devasagayam, M. 4481
Devaux, M. 6481
Devchoudhury, M. N. 9403
Deverre, J. R. 9168-9169
Devetak, N. 2031
Devgire, D. V. 2070-2071
Devi, G. S. 3224, 7149
Devi, S. 1876, 7003-7004
Devi, T. K. 5835
Devi Prasad, J. 5900, 7765
Devi Singh 7301
Devitt, D. A. 1562
Devlin, R. M. 7572
Devonald, V. G. 4311
DeWald, M. G. 6322
DeWald, S. G. 6308
Dewick, P. M. 4360
Dexter, A. R. 932, 1506-1507
Dey, K. 3880
Dey, P. M. 4588, 7646
Dhakal, B. R. 3178
Dhaliwal, G. S. 1919, 3943, 8452
Dhaliwal, J. P. S. 5280
Dhall, K. 5241
Dhamdhere, S. V. 4935
Dhar, K. L. 1757, 1772, 3814, 8063
Dhar, P. L. 2380
Dhariwal, M. S. 9348
Dhatt, A. S. 4746, 8538
Dhawan 1
Dhawan, B. N. 3088
Dhawan, N. 4896
Dheim, M. A. 7313-7314
Dhillon, B. S. 1350, 3859, 4812, 5287, 6311, 6573-6574, 7036, 7309, 8537, 8544
Dhillon, D. S. 8452
Dhillon, G. S. 5779
Dhillon, K. S. 4842
Dhillon, S. K. 4842
Dhiman, R. P. 5165
Dhiman, S. C. 5701
Dhindsa, K. S. 9081
Dhingra, D. P. 4986
D'Hose, R. 3603
Dhua, R. S. 3124, 7019, 8367
Dhyani, D. 7931
Di Ciano, A. 4793, 6556
Di Marco, L. 9291
Di Stefano, R. 7394
Di Vito, M. 3505
Diallo, B. 2368
Diana, S. N. 5754
Dianese, J. C. 7094
Dias, A. C. C. P. 6295
Dias, J. A. A. 5795
Dias, M. F. 837
Díaz, A. M. 594, 6112
Díaz, A. M. P. de 4511
Díaz, B. 2520-2521
Díaz, D. H. 1293
Díaz, I. 6704
Diáz, J. C. 1860
Díaz, J. G. 7998
Díaz, J. L. 1717
Díaz, M. 3774
Díaz, P. P. 4511
Díaz, T. 5854
Díaz Mayans, C. 2563
Díaz Valdés, O. 959
Dick, A. J. 3978
Dick, H. 3557
Dick, R. G. 5347, 8343
Dickens, C. W. S. 7903
Dickinson, M. H. 5750
Dickison, W. C. 6117
Dickler, E. 68
DiCosmo, F. 8040
Didry, N. 5634
Die, J. van 4972
Diehl, E. 4492
Diën, M. P. van 8979
Dieren, J. P. A. van 1978
Dierig, D. A. 1786
Diethelm, R. 8790
Dietz, K. J. 2100, 4252-4253
Dieu, P. 6214
Díez, J. A. 6560
Digat, B. 7235
Dihal, P. P. 3706
Dijak, M. 8772
Dijk, E. 4406, 6060, 9020
Dijk, H. van 3053
Dijk, S. J. van de 7769
Dijke, J. F. van 5466
Dijkstra, J. 8412
Dilley, D. R. 6460
Dimayuga, R. E. 535
Dimitrov, G. 4303
Dimitrov, S. 7455
Dinakin, M. J. 7815
Dinamarca, A. 5514
Dinardo, L. L. 8338-8339
Dinesh Kumar 7955
Ding, J. Y. 1136
Ding, Y. M. 1132
Dini, A. 1747
Dirr, M. A. 4427, 9025
Dittl, T. G. 7947
Dittrich, P. 4435, 5096
Divakar, B. L. 1960, 4702
Dixit, G. B. 6827
Dixon, A. R. 7290
Dixon, G. R. 4160, 4999, 5557, 5691, 7873
Dixon, R. A. 8783
Diyasena, M. N. C. 4467
Dizdaroglu, T. 8445
Dmitriev, M. T. 4474
Dmitrieva, Z. I. 2723
Do, M. N. 1713
Do, T. 3707
Do Carmo, C. A. S. 4832
Do Carmo Carreiras, M. 9169
Do Nascimento, A. S. 4542
Doanh, N. D. 2371
Döbereiner, J. 4212
Dobhal, M. P. 4470, 6944
Dobos, J. 3720
Dobrenkova, L. G. 2078
Dobromilska, R. 4843
Dobson, H. E. M. 1639, 5950
Dobson, J. W., Jr. 5456
Dodd, M. C. 1342
Dodd, R. B. 7194, 7254
Dodge, A. D. 5829
Doğan, A. 5103
Dogonadze, Z. D. 6348
Dogra, G. S. 6277, 8451, 8497
Dogra, M. 5241
Dohi, T. 1090
Doijode, S. D. 7587
Dolgikh, V. A. 7362
Doll, C. C. 2631
Dollet, M. 691
Dolmatov, E. A. 2622
Dolmatova, L. A. 2648
Dolotiĭ, O. P. 7349
Dolya, V. S. 9112
Domagała, F. 4148
Domaingue, R. 5332-5333
Doman, N. G. 3538, 7650
Domanskaya, É. N. 3158
Dombek, D. G. 4763
Dominguez, A. 3712
Domínguez, X. 6983
Dominguez, X. A. 9165
Dominí, M. E. 6346
Dominy, P. J. 3418
Domokos, J. 2311
Donaire, J. P. 6272
Donaldson, R. A. 5341, 8334-8335
Donelan, A. F. 1856
Dong, J. G. 604-605, 1163-1164
Dong, W. X. 863
Dong, Y. F. 1132
Donkin, M. E. 3378
Donley, R. A. 4796
Dönmez, F. 7303, 7601
Donnelly, A. E. 1644
Donoso, E. 2781
Dons, J. J. M. 1564, 7590
Donselman, H. 1025
Donyushkina, E. A. 5086, 6102
Dooley, L. 3865
Döpke, W. 625
Dor, A. 1705
D'Orazi, D. 206
Doré, C. 3915
Dörffling, K. 5742
Dörge, S. 6183
Dorofeev, V. F. 4815
Doron'kin, V. M. 1601
Doroshenko, A. F. 815
Doshi, A. 1559
Doss, G. J. 4828, 4876
Dossaji, S. F. 6893
Dougall, D. K. 5359
Doughty, S. 6429
Douglas, J. A. 3370
Doumandji-Mitiche, B. 3153, 3855
Dovjak, V. 512, 3015, 5113, 6924-6925
Dovnar, T. V. 1015, 3565
Downs, C. 413
Downs, C. G. 2240, 3557
Downs, R. J. 7165
Downton, W. J. S. 3143
Dozier, W. A., Jr. 2684
Dozortsev, L. A. 1922
Drăgănescu, E. 2663, 7281, 7294, 7296
Dragland, S. 7471, 7529
Drăguţ, G. 176
Drake, A. F. 5810
Drake, S. 6902
Drake, S. D. 3754
Drake, S. R. 3265, 3972
Dramane, K. L. 1180
Drapeau, D. 1719
Draper, A. 2030
Draper, A. D. 2037, 4046, 4052
Drauschke, W. 5887
Drawert, F. 2316, 9076
Dreier, S. I. 8829
Dressel, J. 422
Drew, R. A. 1224
Drew, R. L. K. 1547-1548, 4818, 4869
Drews, M. 3402, 3495
Dreyer, M. 7733
Drieu, K. 3764
Drijver, L. deu 3881
Dring, J. V. 6173
Drobak, B. K. 2850
Drøbak, B. K. 5400
Drobotă, G. 6430
Drobotă, M. A. 6430
Droillard, M. J. 378, 991
Drokin, M. D. 4305
Drost, J. H. 759
Droux, M. 204, 8836

Drozdova, I. S. 1458
Du, B. R. 7592
Du, Q. H. 4562
Du Preez, R. 9345
Du Puy, D. J. 9013
Duah, F. K. 9175
Duan, J. L. 7260
Dube, G. 6986
Dubey, D. K. 6207
Dublish, P. K. 4277
Dubois, L. A. M. 2991, 3635
Dubois, M. A. 5148
Dubost, G. 2816
Dubravec, I. 1329
Dubravec, K. 1329
Dubreuil, L. 5634
Dubuc-Lebreux, M. A. 994
Ducatillion, C. 1250
Ducreux, G. 1524
Duczmal, K. W. 2930
Dudareva, L. V. 2167
Duday, S. 625
Duddeck, H. 1705
Dudek, Z. 325, 342
Dudienas, C. 1489
Dudits, D. 5359
Dudko, N. D. 2876, 4269
Dudszus, E. 6786
Dudzinski, D. 874
Dufault, C. P. 7801
Dufault, R. J. 2177, 7547
Dufay, A. 668
Duffy Cowen, R. K. 7857
Dufour, B. 2551
Duhan, A. 1821
Duhan, J. C. 8847
Duheash, O. 9278
Duhet, D. 3795
Dujardin, E. 8779
Đukić, Ž. 4202
Dula, B. 5736
Dulić, K. 7241, 7251
Dulieu, H. 5997
Dullforce, W. M. 4612
Dumitrescu, A. 3030
Dumitrescu, G. 2691
Dun, W. W. 215
Dunaev, V. V. 2449
Dunfield, T. J. 3580
Dunlap, J. 5744
Dunlap, J. L. 3941
Dunlap, J. R. 906, 4889
Dunn, J. H. 6043
Dunn, J. S. 60
Dunn, P. P. J. 5809
Dunne, R. 8726
Dunning, J. A. 7617
Dunsing, M. 6657
Dunsmuir, P. 2211
Dunstone, R. L. 8141-8142, 8153, 9230, 9233
Dunwell, J. M. 6214
Duong, S. T. 1138
Dupaix, A. 5174
Dupriez, H. 6367
Dupuis, M. 3764
Duque, C. 4606
Duraini, O. 4927
Durán, J. M. 677
Durán Altisent, J. M. 7507
Durán-Vila, N. 8174
Durand, B. J. 2486
Duray, S. A. 2277
Durazo, A., III 8755
Durazo B., U. 9236
Đurić, B. 1311
Düring, H. 167
Duris, D. 8245
Durner, E. F. 4062, 6486
Durren, M. van 8248-8249
Durst, F. 2101
Dusart, G. 1142
Duşchin, I. 8646
Duskabilov, T. 2702
Dušková, J. 5181
Dutcher, J. D. 8567
Duteau, J. 5592
Dutta, D. N. 5867
Dutta, I. 8909
Dutta, R. N. 981
Dutta, S. C. 2397
Duyn, P. van 6388
Duyne, B. C. van 6116
Dvořák, A. 6368
Dvornin, A. V. 5590
Dwivedi, B. S. 6121
Dwivedi, G. P. 7103
Dwivedi, M. P. 8556, 8586
Dwivedi, S. N. 3011
Dwivedi, S. P. D. 6224
Dworschák, E. 2081
Dwuma-Badu, D. 6155
Dwyer, L. M. 144
Dyakov, D. 97, 99
Dyduch, J. 7808
Dyuryagina, G. P. 3641
Dyutin, K. E. 2115
Dzadzua, O. L. 1872
Dzagnidze, D. K. 4090
Dzandu, W. K. 2379
Dželilović, M. 7546
Dzhabbarov, A. 3731
Dzhakeli, È. Z. 2450
Dzhakeli, T. M. 3830, 6246
Dzhanikashvili, M. I. 3016
Dzhaoshvili, M. R. 8120
Dzhavelidze, Ts. A. 1874
Dzheneev, S. Yu. 5577
Dzheneeva, È. L. 2724
Dzheneva, A. 4666
Dzhibladze, T. G. 4254
Dzhikiya, O. D. 1184, 8036
Dzhindzholiya, A. K. 1214
Dzhukharova, M. Kh. 2338
Dzhumaev, Kh. K. 6146
Dziuban, R. 5440
Dzyubenko, V. S. 925
E-Bareen, F. 7871-7872
Eagles, J. 4206
Eamus, D. 955
Early, J. D. 4737
Early, J. D., Jr. 1997
Easterbrook, M. A. 8621
Eaton, G. W. 830, 2734
Ebbinghaus, D. 8613
Ebert, A. 773, 3258
Eccher, T. 3622
Echeverria, E. 1809
Eck, P. 7115
Economou, A. 3535
Economou, A. S. 1257
Edathil, T. T. 8318
Eddington, D. L. 5620, 7744
Edelbauer, A. 7398
Edelson, J. V. 883
Edelstein, M. 1469, 4185, 5728
Edin, M. 87, 1331
Ediriweera, V. L. 8356
Edland, T. 7211
Edmonds, G. H. 889
Edson, W. D. 322
Edwards, G. 5061
Edwards, G. E. 3447, 8706
Edwards, G. J. 8198
Edwards, G. R. 748-749, 774, 802, 1920
Edwards, J. H. 4008, 4015
Edwards, K. J. 8783
Edwards, M. 6021, 7387
Edwards, N. T. 6678
Ee, G. R. van 6477
Eelhart, I. 7716
Eenink, A. H. 1436
Efremova, M. K. 1314
Egbe, N. E. 2554
Egea Caballero, J. 3944
Egea Ibáñez, L. 3944
Egger, E. 2772, 3326
Egibyan, K. V. 4449
Egolf, D. R. 489, 491, 500, 5094, 6111, 6118
Eguchi, H. 7144
Eguren, J. 8214
Ehret, G. R. 3249
Ehwald, R. 1254
Eicker, A. 3519
Eijk, J. P. van 2220, 6815, 8984
Eikelboom, W. 2220, 8984
Eiland, B. R. 8330
Eilenberg, J. 7802
Eilert, U. 1723, 5359
Eisenreichová, E. 6812
Eitenmiller, R. 5414
Ejike, C. 608, 2420-2421, 3102-3104, 4516
Ejiofor, M. A. N. 6238
Ekanade, O. 7065
Ekeberg, E. 1448
Ekechukwu, O. V. 7201
Eker, B. 3930
Ekim, T. 5104
Ekpenyong, K. I. 2409
Eksteen, G. J. 2498, 2500
Ekundayo, O. 3669, 6124
El-Attar, M. M. 7100
El-Bahadli, K. 7727
El-Barkouky, M. H. 7322
El-Deeb, A. S. 7994
El-Deen, S. A. S. 2542
El-Din, A. A. S. 5162, 5209
El-Din, I. S. 2536, 2542
El-Din, S. M. S. B. 5773
El-Eraky, S. 7299
El-Fahl, A. M. 7470, 7480
El-Fallaha, B. 1673
El-Fangary, I. M. 4247, 4322
El-Feraly, F. S. 5171
El-Fouly, M. M. 6671
El-Gengaihi, S. 2339
El-Gengaihi, S. E. 2430
El-Ghamny, W. M. 4914
El-Halawany, M. E. 800
El-Hammady, A. M. 2527-2529
El-Hennawy, H. M. 7322
El-Kady, A. I. 2529
El-Khateeb, M. A. 2312
El-Khrisy, E. A. M. 315
El-Maksoud, H. K. A. 4245
El-Mashtta, K. A. 8405
El-Massri, M. F. 4234-4235
El-Meligy, M. M. 5034
El-Menshawi, B. 6165
El-Merzabani, M. 6165
El-Mniai Houcine 3322
El-Nashar, B. M. B. 6248
El-Negoumy, S. I. 209, 1105
El-Otmani, M. 4545
El-Razik, A. A. A. 2798
El-Rehim, M. H. A. 2798
El-Saadany, S. S. 5311
El-Said, M. 2542
El-Saied Kilany, A. 4811
El-Sawah, M. H. 3521
El-Sawah, M. Y. 4247
El-Sayed, F. M. A. 5283
El-Sayed, N. H. 209
El-Shabrawy, A. M. 2798
El-Shabrawy, A. R. O. 8083
El-Shanawany, M. A. 8083
El-Sharaky, A. S. 6275
El-Shazly, S. A. 7278
El-Shehaby, A. I. 4112, 4117, 7470, 7480
El-Sherei, M. M. 5171
El-Sherif, H. K. 7994
El-Sokkary, I. H. 2910-2911
El-Tobshy, Z. M. 8188, 8209
El-Zalabani, S. M. 1673
El-Zayat, M. M. 8188
El-Zeftawi, B. 5285
El-Zeftawi, B. M. 3865
Elad, Y. 4824, 5601
Elakovich, S. D. 1745
Elango, V. 3059
Elbe, J. H. von 361
Elbein, A. D. 4203
Elbrønd Andersen, E. 9008
Elder, P. A. 2144
Eleiwa, M. E. 5184-5185
Elfering-Koster, K. G. 8980
Elfving, D. C. 1300
Elgamal, M. H. 571
Elia, P. 7399
Eliades, G. 5721
Elias-Cesnik, A. 8371
Elías Planells, J. 2563
Eliasson, L. 4931
Eliassy, R. 4836
Elings, J. C. 1783
Eliseev, A. F. 2834
Eliseev, I. P. 1878, 2744
Elisha, E. E. 1080, 3039
Elisha, S. 4687, 8491, 8561
Elkashif, M. E. 6663, 8762
Elkiey, T. 1035
Elkner, K. 7793
Ellering, K. 1023, 4158
Elliott, D. 180
Elliott, H. A. 6733
Elliott, S. 2326
Ellis, B. E. 5693
Ellis, P. R. 2927, 8726, 8924
Ellis, R. H. 5778
Ellis, R. J. 2875, 8822
Ellis, S. R. 470
Ellison, P. J. 3290
Ellstrand, N. C. 1216
Elmanova, T. S. 1996, 2647, 3993
Elmi, A. H. 1083
Elmi, A. S. 2335
Elneklawy, A. S. 4245
Elphinstone, E. D. 6029
Elshtaiwi, B. Z. 1739
Elsner, E. A. 6569
ElSohly, M. A. 5171
Èl'tarova, L. B. 142
Elujoba, A. A. 506, 589, 6132, 6234
Elyakov, G. B. 6932
Embree, C. G. 105, 8566
Emelin, B. H. 8764
Emino, E. R. 113
Èmmerikh, N. S. 4279
Emoto, T. 2382
Emptage, M. H. 4860
Emura, K. 6592
Enami, I. 4127
Encarnación Dimayuga, R. 2332
Encina, C. L. 2466, 2797
End, M. J. 9331
Ende, B. van den 46
Ende, W. van der 451
Endo, K. 3934
Endo, M. 2864
Endo, S. 8436-8437
Endo, T. 1720, 2359, 6179
Engel, G. 805
Engel, I. 8911
Engelbrecht, A. H. P. 2508, 3123
Engelbrecht, S. 4857
Engelhardt, G. 8910
Engelhardt, M. 3547
England, R. 5399
English, J. E. 4316
Engvild, K. 3457
Enikeev, Kh. K. 7205
Enkelmann, R. 851
Enríquez, G. 8250-8251
Enríquez, G. A. 8246
Enríquez, R. G. 2403
Entwisle, L. O. 3428
Epenhuijsen, K. van 2029
Epperson, B. K. 2942, 5995
Erath, F. 4910
Erazo, S. 1113
Erbenová, M. 1301, 6474
Erdelmeier, C. A. J. 4488
Erdélyi, L. 5836
Erez, A. 1338
Èrgashev, A. 1970
Ergenoğlu, F. 7379
Èrgeshova, K. 7472
Eriksen, E. N. 6424
Eriş, A. 5959
Erkal, U. 6445
Erkan, S. 5870
Erkılıç, A. 9245
Ermakov, B. S. 1878
Ernst, A. A. 2463
Ernst, D. 3920
Erokhina, A. I. 8226
Eroshkina, A. N. 3152
Errchidi, S. 1851
Errington, S. G. 3791
Ersöz, T. 514
Ertan, Ö. O. 1558
Ertan, Ü. 8564, 8692
Erwin, J. E. 2229

Erzsébet, S. W. 7397
Esaki, H. 41
Esbjerg, P. 8922
Escalant, J. V. 8233
Esch, T. A. 4293, 8522
Escher, F. 1000, 7928
Eschrich, B. 1009
Eschrich, W. 1009
Escobar G., J. A. 3891
Escobio, J. 5274
Escudero, J. 7709
Esen, A. 8570
Eser, B. 7510
Eslevão, M. de M. 6672
Esnard, J. 7611
Espino, R. R. C. 6317
Espinosa, W. A. 318
Espinosa Becerril, A. 9338
Espironelo, A. 5339
Esposito, P. 2763
Espósito, S. M. 799, 7304
Esquivel, B. 1169, 3700
Esquivel-Herrera, E. 5238
Essick, L. A. 4828
Essid, H. 4640
Estaún, V. 5563, 5798
Esteban, R. M. 2908
Estellés, A. 657, 1204
Estes, E. A. 5714
Estevao, M. de M. 8277
Estrada, D. M. 1122
Eti, S. 8201
Etse, J. T. 8231, 9137
Etzel, W. W. 4142
Euerby, M. R. 547
Eugster, C. H. 1726, 2997-2998
Eulenstein, V. 2627
European and Mediterranean Plant Protection Organization 6685
Evans, D. R. 1419
Evans, J. R. 940, 3582, 4846-4847, 4926
Evans, L. S. 1515
Evans, L. T. 7844
Evans, M. C. W. 4266, 5818
Evans, M. R. 7851
Evans, P. T. 7239
Evans, R. C. 7229
Evcim, H. Ü. 2582
Evdokimova, L. I. 5035
Evers, H. 3920
Evers, N. P. 8633
Everson, D. O. 7783
Everson, H. P. 85, 8930
Evert, D. R. 2677
Eviatar, A. 5907
Evstatieva, L. 5195
Ewart, L. C. 7857
Ewaze, J. O. 5939
Extension Bulletin, Cooperative Extension, College of Agriculture, Washington State University 7209, 8640
Extremera, G. 9297
Eylen, M. 2732
Eynard, I. 5593
Eysinga, J. P. N. L. R. van 4173, 5667-5668
Eyyüboğlu, H. Y. 3903
Ezer, N. 6231
Ezoe, K. 9273
Fabbri, A. 33, 2537, 2763, 3999, 7383-7384, 8216
Fabre, J. 6774
Fabregas, J. 8057
Fabres, A. S. 7520
Faby, R. 8477
Fadeev, Yu. M. 3726, 6917
Fadeeva, I. I. 3320
Fadl, F. A. 4247, 4322
Fadl, M. S. 4743
Fady, C. 3908
Faedi, W. 62, 6456-6457
Fagan, H. J. 5303
Fagan, S. G. 1633, 6077, 9034
Fagerstedt, K. V. 2952
Fagg, J. 5912
Faiguenbaum M., H. 6697
Failla, A. 3928
Fajardo, M. 1709, 1779, 3807
Fajardo, V. 1145
Fakhrutdinov, S. F. 1725
Falcão, M. M. 4691
Falchi Delitala, L. 518
Falcón, E. M. A. 7178
Faleiro, J. R. 8843
Fal'kova, T. V. 5086, 6102
Fallahi, E. 6465
Fallavier, P. 9367
Falloon, P. G. 283, 7702
Fallot, J. 3908
Falsone, G. 5248
Faluba, Z. 791
Fan, C. J. 8148
Fan, F. 66, 3961
Fan, J. H. 4642
Fan, N. T. 7039
Fan, S. F. 1136
Fancelli, M. I. 4223
Fanelli, L. 7822
Fang, J. G. 1867
Fang, L. 2199
Fang, Q. C. 567
Fang, W. 8412
Fang, Z. P. 606
Fankhauser, F. 1947
Fanti, R. 6457
Fantino, M. G. 5838
Fantuz, F. 5599
Fantz, P. R. 9244
Faragher, J. D. 1640
Farago, M. 5470
Farah, A. F. 8693
Farah, M. H. 1083
Fardella, G. 613, 1166
Fardossi, A. 2058, 4084
Fare, D. C. 5944-5945, 6071, 6088, 9030
Faretra, F. 1388, 5597, 6422
Fargali, M. A. M. 2104
Fári, M. 3223
Faria, B. 8244
Farina, E. 5003, 5012, 6005
Farines, M. 5865
Farmers Journal 5933
Farming Mechanization, Japan 20
Farnsworth, N. R. 4487, 9114
Farooq, M. A. 6330
Farooq, S. 6863
Farooqi, A. H. A. 8048
Farooqi, W. A. 8206
Farouk, A. 6163
Farquhar, G. D. 7118, 8672
Farré, J. M. 642, 2462, 2470
Farré Massip, J. M. 5255
Faruque, A. H. M. 188
Faruque, S. M. 4446
Fasate, S. N. 2308
Fasold, K. 2616
Fassbender, H. W. 8250-8251
Fatah, A. H. 3424
Fataliev, A. T. 1964, 2687
Fatima, A. 6192
Fatima, I. 3765, 6192
Fatima, K. 615
Fatope, M. O. 8082, 9170
Fattah, Q. A. 4191
Fattakhutdinov, É. G. 7683
Fattorusso, E. 1083
Fatunla, T. 9368
Fauconnier, B. 8022
Faudrin, J. C. 668
Faus, M. J. 7054, 9304
Faust, M. 66, 767, 769, 2637, 3961, 5463
Faustov, V. V. 1878
Fauvel, G. 8644
Favaro, J. C. 345
Favre-Bonvin, J. 4352, 4994, 8076
Fawzi, A. F. A. 6671
Fear, C. D. 5546
Fedchenko, G. A. 7537
Fedchenkova, G. A. 741
Feder, Z. 4816
Federici, E. 9119
Federico, R. 5832
Fedina, A. B. 1481
Fedorenko, E. I. 5921
Feeney, J. 4227
Fefelov, V. A. 2743
Fehér, A. 190
Fehér, B. 5836
Fehér, D. 6734-6735
Fehér, M. 7770
Fehér, T. 3405
Feierabend, B. 4852
Feigenbaum, S. 2492
Feigin, A. 5891
Feijó, J. A. 5068
Feijoó, A. R. 8044
Feitosa, M. I. 8244
Fekam 7967
Feldman, W. R. 9231, 9239
Felipe, A. 5421
Felippe, G. M. 4180
Felix, H. 1265
Fellay, D. 6421
Felle, H. 1457
Fellers, P. J. 3150
Fellman, C. D. 1897
Fellman, J. K. 3512, 3972
Fellows, J. R. 214, 1437
Fellows, L. E. 6173
Feng, H. 4724
Feng, H. T. 4881
Feng, Z. 3100
Feng, Z. D. 6386
Fenlon, J. S. 3500
Fenn, L. B. 161, 5857
Fennell, A. 4125
Fenwick, G. R. 224, 4206
Ferauge, M. T. 3504, 7764
Ferguson, A. R. 5533
Ferguson, I. B. 5400
Ferguson, J. J. 3142
Ferguson, T. U. 4590
Fernandes, L. M. S. 7995
Fernandes Serrano, J. M. 1816
Fernández, A. 2568-2569, 6342
Fernández, E. 8237
Fernández, F. G. 647, 5802
Fernández, J. 677
Fernández, M. 1045, 6289
Fernández, M. C. 2540
Fernández, S. 1654
Fernández-Arias, M. I. 6904
Fernandez-Escobar, R. 797, 801
Fernández Falcón, M. 682
Fernández Ferreras, J. 3682, 6966
Fernández González, J. 7507
Fernández-Lago, L. 3712
Fernández-Orduña, V. M 6755
Fernández Rodriguez, A. 6966
Fernando, H. C. 3752
Ferrandon, M. 7670
Ferranti, M. P. 7122
Ferrari, F. 3055
Ferrari, I. 6814
Ferrario, P. L. 30
Ferraro, G. 1131, 8097
Ferraz, L. C. C. B. 8194-8195
Ferré, G. 6466
Ferree, D. C. 825, 1286, 1957, 2625, 3957, 4674, 6526, 7367, 8539
Ferreira, C. M. 5247, 8162
Ferreira, I. 8905
Ferreira, J. R. 4691
Ferreira, L. R. 4964
Ferreira, P. A. 2857
Ferreira, P. E. 5795-5796
Ferreres, F. 3108
Ferrero, F. 5962-5963, 5971
Ferreyra E., R. 3480, 3493
Ferri, S. 1101
Ferro, E. 1680, 2761, 3109, 3800, 9190
Ferro, E. A. 592, 6982
Ferro B., E. 3746, 3756
Ferro B., E. A. 5224
Fertiliser Association of India 6375
Ferwerda, F. H. 7890
Fessler, B. 186, 3778, 8114
Feucht, W. 7342
Feuerstein, I. 3672
Feyerabend, M. 25
Fiagbe, N. I. Y. 9162
Fiala, V. 3371, 6609
Ficcadenti, N. 5621
Ficke, W. 8483-8484
Fickenscher, K. 5813
Ficnar, S. 8811
Fidan, A. E. 9285
Fidan, F. 8529-8530
Fideghelli, C. 45, 1988, 4714
Fiedler, W. 3317
Figueiredo, R. W. de 1217
Figueiredo, S. F. L. 1219, 3169
Figueroa B., P. 6279
Figueroa P., A. 6580
Filip, I. 4088
Filipova, I. 5970
Filippi, C. 3540
Filippova, G. B. 3714
Filippucci, B. 2538
Filiti, N. 4021
Finch-Savage, W. E. 2929
Findenegg, G. R. 4827, 5901
Fink, M. 5393
Finke, W. 3366
Finney, A. 7070
Finnie, J. F. 435
Finotti, A. 3246
Fiorino, P. 8219, 9289
Firdous, S. 1085
Fischer, B. 6061
Fischer, C. 6786
Fischer, D. 7961
Fischer, F. C. 1072
Fischer, G. 4347
Fischer, I. 8816
Fischer, M. 2653
Fischer, N. 2316
Fischer, N. H. 1654
Fischer, P. 2983
Fischer, S. 8726
Fischer, W. B. 848
Fišerová, H. 4268
Fisher, B. L. 6841
Fisher, G. C. 7334
Fisher, G. L. 9238
Fisher, J. F. 3851
Fisher, L. C. 7389
Fishman, G. M. 3161, 3784, 3850, 9268
Fitchet, M. 2559, 3922, 5294, 7091, 9309
Fitzpatrick, G. 2988, 4412
Fitzpatrick, G. E. 4402
Fizza, K. 8049
Fjeld, T. 3539
Flach, D. 7640
Flanagan, M. 7918
Flanzy, C. 2080
Flath, R. A. 3296, 3301, 8558
Fleming, A. L. 265, 6778
Fleming, P. D. 7201
Fleminger, D. 375
Fletcher, J. T. 5912
Fletcher, R. A. 8841
Fleurentin, J. 2334, 3107
Fleuriet, A. 3860
Flint, D. H. 4860
Flore, J. A. 789, 4052, 5007
Flores, A. 5742
Flores, F. 8247
Flori, P. 6450
Florida Foliage 7893
Floros, J. D. 7789
Floss, H. G. 552
Flugge, I. U. 2099
Flurkey, W. H. 6766
Fobel, M. 989
Fock, H. P. 572, 3751
Foder, P. 5594
Fodor, P. 6735
Foerster, L. A. 3400
Fogliata, F. A. 3189
Fojasingh 3606
Fokina, N. 4284
Folchi, A. 1307, 3246
Földesi, D. 3677, 3719-3720, 3787
Foletto, B. 5838
Follett, M. W. 6788

Fölster, H. 8250-8251
Fomum, Z. T. 8061
Fong, C. H. 1805, 6257
Fong, H. H. S. 2393, 4487, 9176
Fong, R. 3112
Fong, W. G. 3415
Fonseca, J. R. 2855
Fontanazza, G. 4560, 7042, 7044
Fonteno, W. C. 2265
Fontenot, J. F. 4936
Food and Agriculture Organization 4614
Foong, T. W. 9048
Fooshee, W. C. 2975, 3601
Forbus, W. R., Jr. 3885
Force, A. R. 7946
Forcier, F. 5409
Ford, D. H. 4348
Ford-Logan, J. 5998
Fordham, I. 3952
Fordham, W. D. 5134
Forino, L. M. C. 4696
Forister, G. W. 4647
Forkmann, G. 1581, 4379, 5019, 6103
Forlani, M. 6539
Fornaris-Rullán, G. 6756, 7709
Fornasier, J. B. 4109
Fornazier, M. J. 4832
Fornes Chuliá, I. 8200
Forney, C. F. 7524
Forquera, J. C. 3239
Forsberg, A. S. 1473
Forsberg, L. I. 4390
Forshey, C. G. 764
Forster, S. 6684
Förster, V. 5821
Forsyth, C. 343
Forsyth, F. R. 105
Fort Murillo, R. 2332
Forti, M. 8150, 9234
Forti, R. 3326
Fortun, C. 6615, 6732
Fos, E. 87
Foschi, S. 8949
Foss, J. G. 3432
Foster, H. L. 8300
Foster, K. 7645
Foster, M. A. 1785
Fötsch, G. 6987
Fouad, H. A. 1673
Fouad, M. K. 6671
Foucault, C. 4767
Fouraste, I. 9166
Fournier, D. 217
Foury, C. 208
Fowler, M. W. 3063
Fox, R. L. 682, 4556, 6288, 7040, 8332
Foy, C. D. 265
Frąckowiak, D. 934, 5817
Fragero Guerra, M. 9288
Frahm, J. R. 5485-5486
Fraisse, D. 5122, 7973
Framboisier, M. 2736
França, F. H. 5401
France, Centre Interrégional de Recherches et d'Expérimentation de la Fraise 13
France, Centre Technique Interprofessionnel des Fruits et Légumes 1880, 3229
France, Institut de Recherche pour les Huiles et Oléagineux 6315
France, Institut de Recherches sur le Caoutchouc 8383
France, Institut de Recherches sur les Fruits et Agrumes 1890
France, Institut National de la Recherche Agronomique 840, 2056
France, Union Nationale Interprofessionnelle des Légumes de Conserve 2175, 7495-7496
France I., A. 5746
Franceschet, P. F. 5573
Franceschi, V. R. 3935
Franchi, G. G. 1101
Francis, D. 1589
Francis, J. 3415
Francis, T. A. 1093
Francisco, Y. 970
Franco, A. 7708
Franco, A. A. 4212, 8775
Franco, L. 3746, 3756
Francois, L. E. 7810
Frank, J. R. 6529
Frank, R. 2788, 3268, 3495
Frank, S. A. 7293
Franke, A. 634
Frankenhuyzen, A. van 1042
Franklin, J. D. 1340
Franz, C. 2293
Franz, G. 2443
Franz, J. C. 8130
Fraser, C. 9303
Fraser, D. 6835
Fraser, L. G. 6513, 7338
Frattini, C. 6142
Fredericq, H. 2973
Freeman, R. E. 246, 3398
Freeman, S. 1291
Fregoni, M. 2762, 7423-7424
Freier, B. 8423
Freitas, P. C. D. 4485
French, C. J. 481, 6093
French, J. C. 1024
Frenkel, C. 811
Frensch, J. 5026
Frentzen, M. 902, 1431, 1482
Frenzel, T. 552
Freriks, H. 6389
Frett, J. J. 3001, 6011
Freudling, C. 7640
Freuler, J. 8726
Frey, D. 3625
Freyer, A. J. 1085, 1145, 1176
Fric, V. 7993
Frick, H. 3625
Fridlund, P. R. 3265
Friedel, H. D. 1675
Friedman, G. 6781
Friedman, H. 386
Friedman, J. 3031
Friedmann, M. 5767
Friedmann-Alvermann, B. 6183
Friemert, V. 6828
Friendship-Keller, R. A. 1641
Friesen, G. H. 5661
Friess, D. 1075
Friis, E. 6618
Friis, K. 1593
Frink, C. R. 372
Frisch, C. H. 6078
Frischknecht, M. L. 118, 163
Frisullo, S. 4297
Fritts, R., Jr. 1976
Fritz, D. 6630
Fritz, V. A. 4153
Fröhlich, H. 226
Fröhlich, O. 3861
Froidefond, G. 1392
Frolova, A. G. 2893
Frolow, F. 3728
Fronczek, F. R. 1654
Frontela Rogés, A. 952
Fronza, G. 2194
Frost, D. J. 2162
FRUT-Revista Fruticultura 7204
Fry, J. D. 1022
Fry, S. C. 7503
Frydrych, J. 1452
Fu, W. H. 2754
Fu, X. Y. 9141
Fu, Z. M. 4486
Fuchigami, L. H. 1904
Fuchs, Y. 2496, 8166
Fucikovsky, L. 2475
Fuentes, V. 6188
Fuentes Cabanas, M. 9293
Fuenzalida, M. 7428
Fugel, S. 2095
Fujieda, K. 6836
Fujii, J. A. 2589
Fujii, T. 2342
Fujii, Y. 574, 2523
Fujikawa, S. 1672, 6107
Fujiki, R. 2987
Fujimori, T. 622
Fujimoto, Y. 597, 5166, 8028, 9156
Fujimura, H. 1751, 3054
Fujimura, Y. 5824
Fujino, H. 607
Fujino, M. 6895
Fujioka, T. 3045
Fujisaki, T. 4529
Fujita, A. 1680, 1767, 9155, 9174
Fujita, S. I. 5137
Fujita, T. 1167, 2417, 3780
Fujita, Y. 2382, 6913
Fujiura, T. 352
Fujiwara, Y. 3671
Fujiyama, H. 2905, 5896
Fukai, T. 2384
Fukamiya, N. 8031, 9126
Fukuda, H. 3980, 6440-6441
Fukuda, M. 420
Fukuhara, K. 622
Fukui, H. 633, 3115, 8023, 8116
Fukui, Y. 1672
Fukumoto, Y. 8837
Fukunaga, T. 2451
Fukushima, S. 9117
Fukuyama, Y. 1744, 3810, 5159, 6909
Fukuzumi, T. 1852, 6326
Fuller, R. J. 2594
Fullerton, R. A. 194
Funagama, T. 6046
Funatsu, G. 6168, 7585, 8011-8012
Funayama, S. 1608, 8050
Funes, E. 640, 8159
Funk, C. 6998
Funk, C. R. 1020, 2961-2964, 4382-4384, 7883, 7885
Funnell, K. A. 2240
Furelli, L. 3595
Furlani, A. 6157
Fursa, D. I. 6102
Fursa, N. S. 2449
Fursa, T. B. 5707
Furukawa, H. 2405
Furukawa, K. 9110
Furuno, T. 2341
Furusawa, J. I. 5216
Furusawa, Y. 2377
Furutani, S. C. 381
Furuya, T. 580, 1752, 3086, 5305, 6937, 8986
Fusi, P. 5240
Fykse, H. 8616
Gaafer, S. I. 2528
Gabibova, M. N. 1287
Gabisoniya, M. V. 8202
Gabr, M. F. 5307
Gabrichidze, Z. Sh. 1238, 3898
Gabriels, R. 7177
Gabuniya, T. K. 8360
Gachanja, S. P. 6273
Gachechiladze, N. D. 4715
Gad, A. E. 6781
Gadal, P. 7502
Gädeke, U. 1453
Gadelha, M. G. T. 6161
Gadelha, R. S. de S. 5330
Gadzhieva, T. G. 3662
Gaete, L. 1148
Gafner, F. 6893
Gagel, S. 3864
Gaggioli, D. 1331
Gagnard, J. 6372
Gagnidze, É. 4089
Gahan, P. B. 4861, 7515
Gâher, S. 1264
Gaĭduk, R. I. 2434
Gaines, T. P. 2677
Gajdaj, G. S. 2013
Gajdošechová, E. 1312
Gajic, B. 7422
Galar, M. L. 8771
Galau, G. A. 7845
Gale, J. 4422
Galeffi, C. 581, 587, 4479, 9119
Galigani, P. F. 4475-4476, 5158, 6860
Galili, N. 3981, 7275
Galimberti, P. 2022
Galka, A. T. 7583
Gallagher, E. C. 663, 1210
Gallardo-Covas, F. 2553
Gallegos, A. J. 2402
Galletta, G. 2030
Galletta, G. J. 2037, 2721
Galletta, P. D. 1806, 5017
Galli, R. 8158
Galliano, A. 4727
Gallina, D. 4892
Gallino, M. 7988
Gallotti, B. J. 5606
Gallousis, F. M. 3460
Galneder, E. 3069
Galston, A. W. 3459
Galun, A. B. 8155
Galuşinschi, A. 4088
Galzy, R. 7390
Gamal, N. W. 4811
Gambaro, V. 4479, 7922
Gambhir, S. S. 2418
Gambini, F. 4404, 6383
Gambogi, P. 4297
Gamburg, K. Z. 7782
Gámez, M. J. 6202
Gan, A. P. 7330
Gan, S. S. 897
Gan Lian Tiong 3184
Gan-Mor, S. 3981, 7275
Ganapaty, S. 3739
Gandar, P. W. 195
Gandhidasan, R. 5215
Ganenko, T. V. 3818, 9194
Ganesham, G. 8938
Gangadharan, P. 9058
Ganguly, A. 1765, 4515
Ganiev, Sh. G. 1684
Ganje, T. J. 6605, 7505
Ganmore-Neumann, R. 1802
Ganney, G. 4988
Ganser, S. 7536
Gantimur, D. 6972
Gantz, S. 1811
Ganzelmeier, H. 1953
Gao, C. M. 534
Gao, C. Y. 632, 2447
Gao, J. 2195
Gao, J. F. 3074
Gao, Y. Z. 2135
Garami, M. 1946
Garanovich, I. M. 4787
Garbarino, J. A. 4479, 7922
Garcha, H. S. 362
Garcia, A. 3700
García, E. de 3595
García, F. 8110
Garcia, J. 583
García, L. 3239
García, M. T. 8065
García, O. 8237
García, R. 1113
García, V. 1045
García Berenguer, A. 8126, 9287
García-Carmona, F. 3347
García-Codoñer, A. C. 8887
García Corujo, C. 6323
Garcia de Cortazar, V. 2320
García Fernández, J. C. 6938
García G., E. 6970, 9187
Garcia García, J. E. 48
García García, V. 6323
García Giménez, M. D. 1178, 3802
García-Granados, A. 1074
García-Grau, M. 6226
Garcia-Luis, A. 2139
García-Martínez, J. L. 9267
García Rodríguez, A. 3868, 4566
García-Romera, I. 5799
Garden, L. 6481

Gardiazabal, F. 2495
Gardner, T. J. 461
Gäredal, L. 3964
Garfagnoli, D. J. 1138
Garg, H. S. 553, 1691
Garg, K. N. 3822
Garg, M. K. 4986
Garg, N. 1133
Garg, S. C. 5154
Garg, S. K. 616
Garg, S. N. 5117, 9154
Garibaldi, A. 4350, 4366, 5600, 5627, 5756, 5911, 5948, 5969, 5977-5978, 6024-6026, 6393, 7897
Garibaldi, E. A. 1594-1595, 7849
Gariépy, Y. 1266, 5409
Garlaschelli, L. 3117
Garlaschi, F. M. 6602
Garnier, J. 1154
Garrabrants, N. L. 2296
Garrett, C. M. E. 6417
Garriz, P. I. 1242
Garstka, M. 6596
Gartz, J. 366
Gary, C. 8904
Garzia, G. T. 8956-8957
Garzoli, K. 4637
Garzon N., L. 724
Gasanov, Z. M. 2697
Gasanova, T. A. 1918
Gaset, A. 4344
Gasia, M. C. 3504, 7764
Gašić, O. 4458
Gasiga, A. 1687
Gaspar, R. 6402
Gaspar, T. 4129
Gasparoni, T. 6751
Gasperini, F. A. 7886
Gasquez, J. 8635
Gastaldo, P. 539, 1120
Gastel, A. J. G. van 7124
Gastel, A. van 8614
Gates, D. M. 1049
Gathercole, F. J. 7328
Gathman, A. C. 7614
Gati, G. K. 5850
Gatilov, Yu. V. 1177
Gatin, F. G. 4003
Gato, A. 8041
Gatti, G. 3117
Gatti, M. 5880
Gaul, M. C. 7887
Gaultney, L. D. 353
Gaur, B. K. 923, 1618, 8782
Gaur, G. S. 6265
Gaur, R. D. 8008
Gaussoin, R. E. 4380
Gautam, D. R. 8455-8456, 8531
Gautier, P. 6372
Gautier, S. 2089
Gavrilenko, B. D. 4359
Gavrilina, Z. V. 114
Gavrilova, L. I. 2729
Gavrilova, N. F. 6940
Gavrish, S. F. 956
Gavrishov, N. N. 2623
Gawęda, M. 6478-6479
Gawron, A. 3049
Gay, G. 7404
Gayda, J.-P. 4855
Gaydou, E. M. 3661, 3674, 4454, 4550, 5261, 6140, 9069
Gayle, G. A. 5335
Gazdag-Torma, M. 1412
Gaze, R. H. 4989
Gb + Gw 6796, 8410
Gbile, Z. O. 1693
Ge, D. L. 3771
Geaghan, J. P. 4142
Gebhardt, K. 2700
Gedalovich, E. 1503
Geduspan, H. S. 257, 1484
Gee, P. T. 5326
Geelen, T. A. M. 971
Geertsen, V. 1583
Geeson, J. 1308, 8674
Geeson, J. D. 85, 8930
Geeta Talukder 8419
Gehlot, H. S. 7156
Gehringer, D. Matthews- 8728
Geidarly, K. B. 4175
Geier, T. 3556
Geiger, H. 3465
Geiger, J. P. 1849
Geisshüsler, S. 2358, 8039
Geissler, A. 3267
Geizer, I. 2446
Gel', I. M. 6523
Gelbaum, L. T. 9204
Geldenhuys, R. 1400
Gelder, A. de 474, 5972
Gelder, H. H. M. van 8400
Gelder, W. M. J. van 7141
Gel'dyev, T. 3956
Geler, Z. 7176
Gelio, S. 6874
Gella, È. V. 1707
Gella, R. 3997
Gellatley, J. G. 7182
Gellini, R. 3999
Genç, Ç. 8475, 9285
Gendle, P. 4690
Gendraud, M. 2816
Geneve, R. L. 7926
Genevès, L. 5748
Geng, P. W. 3810, 5159, 6909
Geng, S. 872
Geng, X. M. 9028
Genge, P. M. 85
Genizi, A. 3848
Gent, L. J. 2928
Gentile, I. A. 6740
Gentner, W. A. 599
George, A. P. 678-679, 1383, 3164, 3866, 4563, 8229-8230, 8232, 8365, 8540
George, E. F. 5360
George, H. J. 5360
George, K. C. 3485
George, M. F. 6518
George, N. 4322
George, R. A. T. 4829, 5851
Georgescu, M. 2767
Georgian SSR, Gruzinskiĭ Sel'skokhozyaĭstvennyĭ Institut 3911
Georgiev, G. 181, 7767
Georgiev, H. 8866
Georgiev, Kh. 5876, 8866
Georgiev, S. 1977
Georgieva, D. 4069
Georgieva, I. 4176
Georgieva, Kh. 3479
Georgieva, P. 8632
Georgy, N. I. 7478
Geraci, C. 1171
Geraldi Filho, L. 8336-8337
Gerard, C. V. 5321
Gerasimchik, V. G. 8929
Gerats, A. G. M. 2212, 3552, 7846
Gerbi, E. 7430
Gerçek, Z. 719
Gergely, A. 2184
Gergely, I. 3548
Gerhardson, B. 3964, 4871
Gericke, G. 6657
Gering, B. 603, 6969
Gerlach, D. C. 3754
German Federal Republic, Biologische Bundesanstalt für Land- und Forstwirtschaft in Berlin und Braunschweig 14
German Federal Republic, Bundesforschungsanstalt für Gartenbauliche Pflanzenzüchtung in Ahrensburg 15
German Federal Republic, Forschungsanstalt für Weinbau, Gartenbau, Getränketechnologie und Landespflege, Geisenheim am Rhein 732
German Federal Republic, Institut für Obstbau und Gemüsebau, Rheinische Friedrich-Wilhelms-Universität Bonn 16, 3215
German Federal Republic, Kuratorium für Technik und Bauwesen in der Landwirtschaft 733, 7133
German Federal Republic, Landes- Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt/Weinstrasse 3214
German Federal Republic, Landespflanzenschutzdienst Rheinland-Pfalz 17
German Federal Republic, Landwirtschaftskammer Weser-Ems, Abteilung Gartenbau 3216
German Federal Republic, Lehr- und Versuchsanstalt für Gartenbau, Bad Zwischenahn 5078
German Federal Republic, Staatliche Lehr- und Versuchsanstalt für Wein- und Obstbau, Weinsberg 3916
Gerola, F. M. 6537
Gerrath, J. M. 4066, 8649
Gerrie, W. A. 5100
Gerrish, J. B. 3982, 8522
Gerrits, J. P. G. 4338, 4990, 7818
Gertsson, U. E. 3562, 7852-7853
Gesner, M. 522
Gessa, C. 518
Gétaz-Auer, J. 8660
Getliffe, F. M. 6017
Getsova, Yu. 2059
Gevorkyan, L. A. 2156
Gezenchoya, L. 3499
Gezerel, Ö. 7303, 7601, 7766, 8618
Ghai, S. K. 4578
Ghana Nand 5415
Ghate, S. R. 4097
Ghawi, I. 250, 287
Ghiglione, C. 5122
Ghimire, N. P. 7706
Ghiorghiță, G. I. 8029
Ghisolfi, S. 667
Ghliem, J. D. 323
Ghosal, S. 6936
Ghosh, A. K. 3191
Ghosh, G. 3116, 4271
Ghosh, N. 7820
Ghosh, P. 2366, 5179
Ghosh, P. K. 9149
Ghosh, S. 2203
Ghosh, S. K. 8294, 8367
Ghosh, S. N. 4571, 8280
Ghosh, S. P. 7022
Giacomelli, G. 4137
Giacomelli, G. A. 2599, 5890, 8411, 8414
Giacomo, A. di 1191
Giametta, G. 670, 4232, 5769
Gianazza, E. 6537
Gianetti, G. 1394
Gianfagna, T. 1517
Gianfagna, T. J. 410, 6486
Gianinazzi, S. 1416
Gianinazzi-Pearson, V. 1416
Giannakarēs, A. I. 3157
Giannapolitis, C. N. 4775
Giannini, J. L. 2801-2802, 4120
Gianotti, G. 6394
Gianquinto, G. 4955, 6751, 6753
Giardi, M. T. 3451
Gibault, B. 1987
Gibb, C. L. 2042
Gichner, T. 4365
Giersch, C. 982, 1426, 1429-1430
Gil, A. 7054, 9304
Gil, G. F. 5514
Gil, J. 7195, 8221
Gil Ortega, R. 291
Gil Sierra, J. 7405
Gilani, S. N. 540, 3033
Gilbert, C. 4063
Gilbertson, R. L. 3411
Gilby, G. W. 8403
Gildensoph, L. H. 2801
Giles, D. K. 7194, 7254
Gilfillan, I. M. 8208, 9275
Gilkeson, L. A. 180, 953
Gill, B. S. 4834
Gill, H. S. 357, 8684
Gill, L. S. 1699, 2336
Gill, R. 313, 1515
Gill, S. 1168
Gill, S. S. 8532
Gillani, A. H. 1202, 1208
Gillbro, T. 8703
Gilles, G. 5566
Gilles, G. L. 8467
Gillespie, A. T. 7188
Gillespie, D. 180
Gillet, J. 8666
Gillham, D. J. 5829
Gilliam, C. H. 5944-5945, 6071, 6088, 9030
Gilliland, M. G. 3823
Gilly, G. 6880
Gilmour, S. J. 869
Gilpin-Hudson, D. R. 4996
Gilreath, J. P. 3574, 8973
Gim Bee Ong 4168
Gimelli, F. 374
Giménez-Abian, M. I. 2093
Gingins, E. 118
Giniger, M. 8412
Gioffré, D. 6539
Gioia, B. 8017
Giordani, R. 8715
Giordano, L. B. 5785-5786, 5790, 5834
Giordano, L. de B. 1505
Giordano, O. S. 3728, 5197
Giorgessi, F. 2773
Giorgi, L. B. 5816, 5819
Giorgioni, M. E. 4404, 4944, 5716, 6055, 6105
Giovannoni, M. 8222
Girard, A. 2903, 3489
Girault, J. P. 4499
Giridhar Singh, T. 1355, 7064
Girjesh Upadhyaya 1472
Girmen, M. 416, 2222, 3575
Girón, L. L. 2333
Girón, L. M. 2330
Girre, L. 5143, 6156
Girre, R. L. 8022
Giskin, M. 4185
Gislerød, H. R. 2940, 8953-8954
Gita Singh 4817, 4819, 4949
Giunchedi, L. 4362
Giustiniani, L. 4841, 4962
Givan, C. V. 8824
Given, N. K. 8623
Glaczinski, H. 6693
Gladarev, V. A. 3329
Gladun, M. I. 1073
Gladysheva, L. A. 1319, 2686
Glăvan, P. 2331
Glaz, B. 9381
Gleba, D. M. 2257
Glebko, L. I. 4514
Gleizes, M. 5279
Glendening, T. M. 4170
Glenn, D. M. 1963
Glenn, H. 8999
Gleu, A. 34
Gleye, J. 3119, 9166
Glick, R. E. 3435
Gliemeroth, A. K. 2213
Gliemeroth, K. 7363
Gligorević, B. K. 263
Gligorijević, S. 4804, 5136
Glinski, J. A. 9204
Globerson, D. 4836
Glombitza, K. W. 1584, 1706, 3048
Glonti, G. N. 6353
Glonti, Ts. F. 8202
Glover, J. R. 5693
Głowniak, K. 3049

Glucina, P. G. 6467
Glushkova, S. A. 8639
Gmaj, S. 7490
Gnatyuk, A. G. 4305
Gnezdilova, E. M. 815
Gobbetti, M. 2525
Gobé, G. C. 1029
Goda, Y. 2343, 2404
Godara, N. R. 8362
Godara, R. K. 9349
Goddrie, P. D. 1277-1278, 1282, 1926, 1972, 4671, 6427
Godfray, H. C. J. 3910
Godhwani, J. L. 3781
Godovanyĭ, A. A. 3694-3695
Godoy A., I. 3307
Godoy Avila, C. 157
Godshall, M. A. 3193
Goebertus, T. M. 8407
Goedegebure, J. 5423, 5501-5502
Goel, A. K. 1691
Goel, R. K. 2550, 3168
Goel, S. C. 5370
Goenadi, D. H. 4534
Goetghebeur, P. 1674
Goffinet, M. C. 5749-5750
Goga, E. 4088
Gogai, P. 7814
Gogatadze, N. K. 3830
Gogitidze, Ts. R. 3066
Gogoberidze, M. K. 8120
Gogoleva, G. A. 2742, 4065
Goh, H. K. L. 9410
Goh, S. H. 5326
Goheen, A. C. 4790
Göhlich, H. 3940
Goidanich, G. 5
Gokkes, M. 5276
Golan, R. 4318
Gołaszewska, A. 5081
Gold, A. J. 1610
Gold, R. H. 5049
Goldbach, H. 2700
Goldberg, A. D. 7075
Goldberg, I. 4231
Goldberg, S. 3849
Goldsberry, K. L. 384, 1261, 5960
Goldsbrough, P. B. 2922
Goldschmidt, E. E. 386, 1203
Goldstein, J. Hough- 8728
Goldstein, L. R. 3845
Goldy, R. G. 5580
Goliadze, Sh. K. 6244
Goliáš, J. 360, 2679
Golinowski, W. 4250
Gollapudi, S. R. 3754, 6902
Golomb, A. 1203
Goloshchak, V. F. 3335
Golovanova, V. S. 8757
Golovina, L. A. 3079
Golubev, V. N. 1213, 1819
Golubins'kiĭ, I. M. 1956
Golubinskiĭ, I. N. 1956
Golubnichaya, L. S. 4072
Gomaa, E. G. 3946
Gombos, Z. 7677
Gomes, A. R. S. 1827
Gomes, M. M. de S. 6669
Gomes, R. S. 8340
Gómez, F. 2402
Gómez, L. 5753
Gomez, M. A. 1766
Gómez-Garibay, F. 1149
Gomez Lim, M. A. 3420
Gomis, E. 7989
Goncharova, É. A. 5850
Gonsalves, D. 2558
Gontar', É. M. 3554
Gonzáles, M. S. 1401
González, A. 4288
González, A. G. 592, 3800, 6982-6983, 7998
González, E. 5854
González, E. A. 8857
González, J. 3003
González, P. 3397, 8891
González D., F. 6580
González de las Heras, B. 799, 7304
González Garza, R. 8190
González-Ibáñez, J. 4310
González Ortega, G. 2454
González P., M. 3480
González Romillo, H. 5264
González-Rosas, H. 5251
González-Tejero García, M. R. 6903
González Urones, J. 6877, 6966
Goo, T. 2576
Goo, T. T. C. 7964
Good, G. L. 425
Good, J. E. G. 6066
Goodall, G. E. 2468, 2484-2485
Goodbody, A. 1720, 2359, 6179
Goodbody, A. E. 6927-6928
Goode, M. J. 5648
Goodenough, P. W. 349, 1544
Goodfellow, J. W. 1034
Goodman, M. A. 2282
Goodman, R. D. 7354
Goodwins, D. R. 6544
Gooley, P. R. 4094
Gopal, H. 8051
Gopalan, M. 4880
Gopalasundaram, P. 3172
Gopikumar, K. 3871
Gorakh Singh 4584, 6318, 8281
Göral, T. 9246
Gorb, V. M. 4771
Gorban', A. T. 562
Gorbunova, L. I. 4381
Gorchakova, N. O. 3510
Gordaliza, M. 8044
Gordeev, V. M. 4179
Gordīĭ, M. V. 2840
Gordiĭ, N. V. 2840
Gordon, S. C. 7351
Gordzievskaya, L. P. 2257
Gore, B. L. 5816, 5819
Gore, J. W. 5620
Górecka, K. 3653
Goren, R. 2459, 3144
Gorfinkel', V. V. 2725
Gorgoshidze, G. M. 3862
Gorin, N. 477
Gorini, F. 110, 1306
Gorkom, H. J. van. 8702
Gorlacheva, Z. S. 5083
Gorlenko, S. V. 1015
Görler, K. 6193, 8058
Gornall, R. J. 3561
Gorodea, G. 2053
Gorodilov, N. A. 7537
Gorovaya, T. K. 4865
Gorovits, M. B. 3027-3028, 3364, 3725-3726, 3805, 6910, 6916-6917, 8020, 8054
Gorovoĭ, P. G. 4514, 6932
Gorris, M. T. 6418
Gorshkova, G. A. 2647
Gorshkova, T. A. 4915
Gosiewski, W. 320, 326
Gosselin, A. 141, 255, 977, 1535, 2161, 3496, 3504, 6645, 7764, 7809, 8622
Gostevskiĭ, L. I. 1929
Goswami, A. K. 8514, 8554
Goswami, B. K. 6743, 6891
Goswami, M. 3199
Goswami, R. K. 2176
Goszczyński, W. 1290
Gotkiewicz, J. 6579
Gotkiewicz, M. 6579
Goto, T. 1615, 4186
Goto, Y. 6725
Gotow, K. 7649
Gottesbühren, B. 1635
Gottfried, R. R. 9379
Gottlieb, O. R. 724
Gottwald, R. 8423
Gottwald, T. R. 8568
Götz-Schmidt, E. M. 4985
Goubran, F. 5545
Goubran, F. H. 3865
Goudriaan, J. 7648
Gough, R. E. 133-134, 826
Goulas, J. P. 2183
Gould, K. S. 2230
Gould, R. 396
Gounaris, K. 4264, 4920, 5654
Goupil, P. 3369
Goutarel, R. 8095
Gouveia, N. M. 6306
Govindjee 8699
Govindra Singh 2092
Gowda, J. V. N. 2226, 2947, 7862, 7915
Gowda, K. T. P. 9393
Gowda, M. C. 9313-9314
Goyal, M. M. 6962
Goyal, M. R. 4162, 4310, 8857
Goyal, R. 9240
Gozin, A. A. 4051
Graaf, R. de 6387
Grabe, D. F. 8994
Gräber, P. 4854, 5660
Graber, W. R. 8627
Grabowski, M. 7217
Gracia, C. 7452
Gracia, M. 6538
Graddick, C., Jr. 4054
Gradmann, D. 7640
Graebe, J. E. 5788
Graetz, D. A. 330
Graf, H. 5412
Graf, J. A. 8962
Graf, W. 6670
Grafiadellis, M. 6401
Grafskaya, G. A. 5669
Graham, D. 4569
Graham, E. T. 5085
Graham, J. H. 4539, 8187
Graichen, K. 5551
Graifenberg, A. 4841, 4962
Gramatik, V. I. 3335
Granata, G. 5605
Grand, A. le 3708, 4471
Grand D'Esnon, A. 1303
Granda, M. M. 6222
Granda Lorenzo, M. M. 6221, 6223
Grandolini, G. 613, 1166
Granett, J. 4790
Granger, R. L. 5447
Granges, A. 217, 4862
Granqvist, G. A. 4978
Grant, D. L. 2243-2244
Grant, D. R. 201
Grant, W. J. R. 3143
Grantzau, E. 6786
Grappadelli, L. C. 4623
Grasgreen, I. 4137
Grasselly, D. 896
Grassi, G. 4714, 4726
Grassotti, A. 6811
Grattan, S. R. 2164, 7755
Grau, A. 5742
Grauke, L. J. 113
Grauslund, J. 6438
Graven, E. H. 5111
Gravena, S. 5913
Graves, W. R. 456, 1251
Gray, A. I. 433, 1104, 1778, 6189, 6971, 7969, 7974, 8115, 8231, 9137
Gray, D. 1403, 2928, 4337
Gray, D. J. 7389
Gray, E. G. 4375
Gray, J. C. 5809
Gray, W. H. 4039, 5506
Graziano, M. di 1388
G"rbatilova, E. 99
Greany, P. D. 7026
Grechkin, A. N. 937, 2142
Greco, N. 5860
Grecu, V. 2759, 4074
Greef, F. de 3573
Greef, J. A. de 908, 2973
Greeff, R. J. M. de 6031
Green, C. E. 3915
Green, P. B. 7899
Green, R. L. 426
Green, S. K. 4320
Green, S. R. 2019
Greene, D. W. 1941
Greene, G. M. 5462
Greenfield, A. J. 6070
Greenway, S. C. 7663
Greer, D. H. 5534-5535
Greger, H. 8013
Gregory, E. J. 3410
Gregory, G. K. 2891
Grégr, V. 3462
Greitner, C. S. 7568
Grela, M. J. 959
Grella, G. E. 6883
Grenz, M. 5209
Greppin, H. 3367, 4129, 4861, 7501, 8708
Greve, L. C. 148, 746-747
Grewal, A. S. 8812
Grewel, S. S. 8538
Grey-Wilson, C. 6369
Grgurina, I. 3072
Gribaudo, I. 440
Grice, W. J. 720, 4598, 8347-8348
Grierson, D. 2171, 7663, 8623
Griesbach, R. J. 1911
Griffin, G. W. 4781
Griffin Latimer, J. 7541
Griffith, L. 4412
Griffiths, G. 8759
Griga, M. 7647, 7664
Griggs, P. 6679
Grignon, C. 3646
Grigolava, B. L. 2450
Grigor'ev, A. G. 6081
Grigorov, I. N. 1985
Grigorova, S. 92
Grigorovskaya, M. V. 7565
Grigortsevich, L. N. 1921
Grimes, H. D. 2917
Grimes, J. A. 4142
Grimm, R. 6442
Grimmer, C. 7508
Grimstad, S. O. 2163, 4414, 5872, 5906
Grinberg, S. 8155
Grinchenko, B. Kh. 7880
Grindley, T. B. 3978
Grisebach, H. 7961
Grishkovets, V. I. 9158
Grittani, P. 3927
Groda, B. 2643, 3973, 4709
Grodzinski, B. 1636
Groen, N. P. A. 2951
Groene, J. de 1939
Groeneveld, H. W. 1783
Gröger, D. 6981
Gromov, A. N. 1435
Gromova, A. S. 1177, 3818
Gromova, N. A. 6218
Gromová, Z. 3015, 5113, 6925
Grønborg, H. 1292, 8987, 9001
Grondelle, R. van 5810, 8703
Grøntved, A. 7002
Groom, Q. J. 1098
Groot, R. de 8342
Groot, S. P. C. 1527, 6748
Grootjen, C. J. 5041
Groots, S. P. C. 347
Gropper, B. 1075
Gros, E. G. 1019, 7971
Gross, D. C. 5416, 7206
Gross, G. A. 6985, 6995, 8105
Gross, G. G. 6865
Gross, K. C. 2172
Gross, M. 5887, 8911
Grosselindemann, E. 5788
Grosz, F. 8139
Groth, I. 1639
Grötsch, S. 7904
Grout, B. W. W. 3378
Grover, P. 5317
Grover, S. 9173
Grozova, V. M. 7376, 7393
Grubišić, D. 3647
Grudina, R. 4960, 4967
Grudzień, K. 2829
Gruen, L. C. 1499
Grumeza, N. 3278
Gründemann, E. 6987

Grunow, J. 3238
Grusak, M. A. 7658, 7684
Grysiak, A. 9135
Grysiak, B. 9135
Gryuner, A. M. 5426, 5539
Gryuner, L. A. 7344
Grzyb, Z. S. 790
Grzybowska, T. 8078
Gu, M. G. 9383
Gu, S. R. 947, 4437, 8088
Gu, Y. 9028
Gu, Z. 3608, 6075-6076, 6867
Gualandris, R. 6907
Guardia, M. C. 6636
Guardiola, J. L. 1804, 2139, 3839
Guario, A. 6422
Guarnieri, A. 4327
Gubanov, V. N. 6037
Gubar', S. I. 5219
Gubler, W. D. 3341
Güçer, A. 2733, 2904
Gucht, L. P. E. de 390
Gudumak, F. A. 7376
Guedes, A. C. 5790, 5795-5796, 5833
Guégan, P. 3795
Gueguen, J. 7657
Guého, J. 1895
Guerci, A. 1694
Guern, J. 3062, 5359
Guerra, M. 3361
Guerra, S. 2337
Guerrero, M. 5201
Guerrero A., H. 2112
Guerrier, G. 969, 4098, 8662
Guerriero, R. 4793, 6471, 6493, 6556
Guerrini, F. 2122
Guessoum, M. 3854
Guha, K. P. 1215
Guha-Mukherjee, S. 3747
Gui, Y. L. 947, 4437, 8088
Guigliarelli, B. 4855
Guignard, E. 163
Guignard, J. L. 6166
Guignebault, P. 7235
Guillard, K. 424
Guillemain, J. 3107
Guillén, L. A. 3879
Guillén, M. G. 647
Guimarães, D. R. 4833
Guinaudeau, H. 1085, 1176, 8113
Gujral, G. S. 5938
Guleria, J. 6765
Gulik, T. van der 4874
Gull, K. 5928, 8784
Gullino, M. L. 4350, 4366, 5600, 5911, 5948, 5978, 6024-6025
Gullotti, M. 4198
Gulyaev, A. G. 7361
Gülz, P. G. 3466, 4544, 8143
Gumbinger, H. G. 8079
Gumenyuk, Ya. V. 7331
Gunar, V. I. 8903
Gunatilaka, A. A. L. 3752, 4467
Gunawardana, Y. A. G. P. 9159
Güncü, M. 4187
Gundidza, M. 585
Günel, T. 8516
Güner, N. 1139
Güney, D. 4736, 5717
Gunning, B. E. S. 6020, 6587
Gunsé, B. 1488
Güntert, M. 3301, 8558
Guntilaka, A. A. L. 4513
Guo, D. 6455
Guo, J. M. 7260
Guo, J. Y. 6802
Guo, M. F. 9394
Guo, T. C. 1065
Guo, X. W. 2754
Guo, Z. S. 8088
Guoshi, T. 6227
Gupta, A. 6962, 8733
Gupta, A. K. 5919, 8364
Gupta, B. 3096
Gupta, B. P. 4161, 7079, 7306
Gupta, B. R. 1395, 1839
Gupta, D. K. 5198, 8717
Gupta, D. N. 530
Gupta, D. R. 5165, 8932
Gupta, G. K. 8486, 8492-8493, 8519
Gupta, G. N. 4957
Gupta, J. H. 4565, 7819
Gupta, J. P. 4957
Gupta, J. S. 2438, 6007
Gupta, K. R. 1794
Gupta, L. K. 2348, 4477
Gupta, M. 1667, 2337
Gupta, M. M. 569, 3819, 5199
Gupta, M. N. 8952
Gupta, M. P. 529, 3024, 5227, 7943, 9150
Gupta, O. P. 777, 2555, 5354, 7440, 8871
Gupta, P. N. 7056, 7333
Gupta, P. R. 7247
Gupta, R. B. L. 1414
Gupta, R. K. 555, 1794, 7571
Gupta, R. P. 3362, 4115, 8683
Gupta, R. S. R. 7193
Gupta, S. 1467, 2550
Gupta, S. C. 7103
Gupta, S. K. 8492
Gupta, S. R. 9095
Gupta, U. M. 2933
Gupta, V. K. 8485
Gur, A. 84
Guralnick, L. J. 1622
Gurbatilova, E. 99
Gürgen, K. H. 5522
Gurgenidze, M. Z. 4359
Gürkan, E. 5694
Gurmail Singh 8589
Gurmit Singh 9362
Gurrieri, C. 5605
Gurung, V. L. 4389
Guruswamy, M. N. 5231
Gusev, A. M. 4179, 5741
Gus'kov, A. V. 4911
Gussenhoven, G. C. 1564
Gutenmann, W. H. 4828, 4876
Guthrie, R. E. 1499
Gutierrez, A. B. 5206
Gutierrez, M. I. 8965
Gutierrez, M. P. 8193
Gutnik, S. V. 3335
Gutov, Kh. B. 2615
Gutowsky, H. S. 8699
Gutteridge, S. 4227
Guttormsen, G. 5678, 7530, 7544
Guye, M. G. 2083
Guyen, L. 5174
Guyot, B. 7076
Guzélev, L. 8401
Guzhva, N. N. 3727
Guzmán, A. 3087
Guzmán, C. A. 2190
Guzmán, M. 3652
Guzmán B., A. 6970
Guzmán B., J. A. 9187
Guzun, N. I. 2751, 7376
Gviliya, B. O. 1871
Gwozdecki, J. 823
Gysi, C. 1947
Gyúrós, J. 4283
Gyurov, G. 7729
Haag-Berrurier, M. 487
Haaker, H. 4241
Haan, P. de 8165
Haas, J. H. 5856
Haasemann, W. 5452
Haass, D. 2443
Haba Ejarque, M. 155
Habib-ur-Rehman 615, 2367
Habibunnisa 8518
Haby, V. A. 2033
Hackert, J. M. 7560
Hackett, W. P. 3915, 7926
Hada, S. 2302, 3657
Hadar, Y. 7147, 7901
Hadas, R. 5892
Haddad, H. 5248
Haddad, O. 3166
Hädecke, R. 5887
Hadi, A. H. A. 9169
Hadley, P. 9325, 9330-9331
Haehnel, W. 3441, 4851
Hafeez, F. 1656, 9179
Haffner, K. 5536
Hagerman, A. E. 3220
Haggag, M. N. 5310
Haggett, B. G. D. 7763
Hagi, Y. 3293
Hagiladi, A. 2210
Hagin, J. 3167
Hagley, E. A. C. 5495
Hagop, E. G. 6174
Hahlbrock, K. 5106
Hahn, S. J. 3686, 4837, 5646
Hähndel, R. 422
Hai Huang 7258
Haibin, W. 9405
Haider, S. I. 614
Haidu, L. 7282
Haigh, A. M. 957, 2900
Haikel, M. 1035
Hairong, Y. 620
Haisch, A. 6684
Hajdu, F. 7770
Hajdu, Z. 4499
Haji, F. N. P. 6745
Hajji, M. 3646
Hakan, K. N. 568
Hakansson, L. 5958
Hakerlerler, H. 652
Haladová, M. 6812
Halarnkar, P. P. 5768
Halásová, J. 1376
Halász-Zelnik, K. 2311
Halawany, M. E. El- 800
Halbrooks, M. C. 5612
Halder-Doll, H. 80
Halderman, A. D. 9229
Hale, C. L. 432
Hale, C. N. 194
Hale, M. G. 6370
Halepyati, A. S. 3355
Halevy, A. H. 386, 5983
Haley, J. E. 8991
Hall, C. B. 1542
Hall, D. A. 8889
Hall, I. V. 6519
Hall, J. L. 7689
Hall, J. W. 233-234, 1272
Hall, M. A. 1496
Hall, P. J. 2216
Hall, R. 5757
Hall, R. D. 2886
Halleux, D. de 8409
Hallidri, M. 4304
Halm, B. J. 3171
Halos, S. C. 3687
Halpern, B. 3205
Hälvä, S. 1056, 2293, 2297-2298
Hamaker, P. 4307
Hamamura, T. 9404
Haman, D. Z. 2966, 8883
Hamann, R. 8398, 8426
Hamar, N. 3474-3475, 3492
Hambleton, S. 9018-9019
Hamburger, M. O. 1123
Hamdallah, G. M. 5900, 7765
Hamdy, M. Y. 7199, 8917
Hamed, A. A. 5184-5185
Hameed, S. F. 8551-8553
Hameed Khan, H. 3172
Hamel, E. 8047
Hamer, R. J. 8131
Hamill, J. D. 2378
Hamilton, J. T. 7552, 7606, 7637, 7777
Hammad, A. A. 314
Hammer, P. 466
Hammer, P. A. 371, 2271, 6845
Hammerschmidt, F. J. 6124
Hammes, G. G. 4856
Hammoda, A. 4743
Hammond, M. D. 2244
Hammoud, A. 5122
Hamoda, A. M. M. 7322
Hamou, M. 2514
Hampp, R. 4910
Hampshire, T. J. 2890, 7730
Hampton, R. E. 8227
Han, B. H. 722, 7108
Han, B. W. 5682
Han, C. 511
Han, I. S. 5095
Han, J. S. 1477
Han, K. P. 7336
Han, S. C. 9394
Han, S. H. 7666
Han, S. Y. 2186
Han, Z. 2198
Hanada, T. 7699
Hanan, J. J. 1261, 5982
Hanchar, J. J. 8609
Hancock, J. F. 1367, 8612
Hancock, J. F., Jr. 4052
Hancock, M. 8408
Hand, D. J. 2833
Hand, D. W. 3500
Handa, A. K. 3507
Handel, M. C. M. van den 7919
Handique, A. C. 9406
Handique, A. K. 7909
Handjieva, N. V. 8118
Handro, W. 5247, 8162
Handschack, M. 2639
Hane, T. 9273
Haney, P. B. 1797
Hang, A. 6035
Hanger, B. 5055
Hanke, H. 6018
Hanke, T. A. 6575
Hanlon, E. A. 8883
Hanna, H. Y. 251, 914
Hanrahan, R. K. 2481
Hansen, A. D. 3368
Hansen, C. E. 8971
Hansen, J. 1255, 1623, 9008-9009
Hansen, L. 469, 8942
Hansen, M. 5681
Hansen, O. B. 5508
Hansen, P. 1289, 5538, 6532
Hansen, R. W. 2524
Hansen, T. J. 3873
Hansen, U. F. 6603
Hansen, U. P. 1427
Hansmann, P. 1605
Hanson, A. W. 2395
Hanson, E. J. 5548
Hanson, K. V. 1614
Hanssen, H. P. 5124
Hansson, A. 1735
Hanssum, B. 8698
Hanuman, J. B. 5235, 9217
Hanzer, V. 7225
Hao, B. Z. 711, 1229
Hao, X. J. 537
Happ, I. 7416
Haq, S. 4968
Haque, M. M. 7576
Hara, A. 6046
Hara, C. 2349
Hara-Nishimura, I. 1466
Harahap, W. 3886, 3888
Harant, M. 5552
Haraux, F. 5674, 8714
Harbage, J. F. 2273
Harbans Singh 116
Harbaugh, B. K. 3574, 6011
Harborne, J. B. 403, 2436, 5020
Harbour, M. A. 4439
Hardjono, A. 7067
Hardman, J. A. 2927, 8924
Hardman, R. 39, 506, 6132
Hardwick, K. 8256-8257, 9327-9328
Hardy, T. 1189
Hares, W. 1431
Harfoush, D. 8188
Hargitai, L. 1946, 7841
Hargrave, D. L. 821
Hargreaves, J. A. 6695-6696
Hari Babu, R. S. 9359
Hariharan, V. 3485
Harimaya, K. 3074, 3821
Harinikumar, K. M. 9354
Harish Kumar 9250
Harivandi, M. A. 2241

Harkar, S. 6884
Harkema, H. 5984-5986
Harkes, P. A. A. 630
Harkiss, K. J. 6215-6216, 9188
Harley, S. M. 5784
Harmail Singh 7381
Harman, G. E. 5700, 7672
Harman, J. E. 3857
Harney, P. M. 281
Harr, J. 1265
Harran, S. 8315
Harrell, R. C. 4548
Harris, A. S. 8298, 9363
Harris, C. M. 6575
Harris, D. 2600
Harris, G. C. 3453
Harrison, D. J. 5751
Harrison, H. C. 4150
Harrison, J. E. 8792
Harrold, R. C. 8768
Harsányi, J. 782, 1968, 2011
Harshemesh, H. 8220
Harst, B. van der 2979
Harten, A. M. van 8369
Hartge, K. H. 136, 3308
Hartin, J. S. 2268
Hartley, D. R. 8925
Hartman, J. F. 4705, 4707
Hartmann, H. D. 3464-3465
Hartmann, P. E. O. 1342
Hartmann, T. 8108
Hartmann, W. 8573
Hartmann-Schreier, J. 3180
Hartmond, U. 4539
Hartrath, H. 6793
Hartsell, P. L. 6575
Hartz, T. K. 5737
Haruvi, U. 5298
Harvala, C. 1070, 6145, 6964
Harvey, C. F. 6513, 7338
Harvey, H. E. 1159
Harvey, J. M. 6575
Harwood, R. R. 7536
Haš, S. 4154, 7170
Hasan, A. 5229
Hasan, C. M. 1104, 3775, 6189
Hasan, R. 5641
Hasan, S. 4034
Hasanah, M. 6129, 6290
Hasani, A. 1445
Hasbun, C. 6941
Haschke, H. P. 7904
Hasdai, D. 2514
Hase, T. 6947
Hasegawa, A. 9015
Hasegawa, K. 1461
Hasegawa, M. 1173
Hasegawa, N. 9014
Hasegawa, S. 1805, 4543, 6257, 7033
Hasegawa, T. 1744
Hasegawa, Y. 9273
Häseli, A. 4104
Hashemi, A. 3824
Hashim, K. 8302
Hashimoto, G. 6895
Hashimoto, T. 1461, 1634, 3073, 3770, 5054
Hashimoto, Y. 3391, 8933
Hashinaga, F. 9272, 9350
Hashmi, S. 8192
Haslam, E. 40
Hassaballa, I. A. 7312
Hassan, A. 708
Hassan, J. A. 172
Hassanein, E. E. 4236
Hassar, M. 6901
Hasselt, P. R. van 2803, 2849
Hassidim, M. 2835
Hata, T. 381
Hatanaka, A. 5743, 6358
Hatano, K. 411, 6169, 8016
Hatano, T. 1063, 1212, 6913
Hatch, E. 2922
Hatheway, W. H. 6871
Hatterman, H. M. 4361
Hattingh, M. J. 5419, 5467
Hatton, T. 3148
Hatton, T. T. 7026
Hattori, M. 2302, 3657
Hatzēharisēs, I. 2665, 2676
Hatzētheodōrou, I. 2676
Haub, G. 7421
Haulik, T. K. 7317
Haupt, G. 1455, 1551, 3360, 3375, 3517
Hausbeck, M. K. 1578
Hausdorf, H. 5914, 6147
Hausner, S. 8150
Hauteville, M. 4352
Havaux, M. 1190
Havel, L. 8985
Havlová, L. 278
Hawkes, H. Y. 4369
Hawkins, J. L. 2042
Hawson, M. G. 8128
Hayashi, J. 7821
Hayashi, M. 2253
Hayashi, T. 1680, 3109, 6184, 6933-6934, 8104, 9155, 9174, 9190, 9203
Hayashi, Y. 2575, 5060
Hayman, D. S. 5798
Hayman, G. 5395
Haynes, R. J. 2844, 5562
Hazarika, A. K. 9078
Haze, K. 5351
Hazen, M. J. 7483-7484
He, C. 3743, 4618
He, J. B. 545
He, S. A. 9028
Heald, C. M. 7185
Healy, W. B. 1198
Healy, W. E., Jr. 6035
Heard, L. R. 3931
Hearn, J. 3148
Heath, R. L. 2804
Heaton, E. K. 3287
Heaviside, M. 5665
Heber, U. 2100
Heble, M. R. 8099
Hecht, U. 9061
Heck, W. W. 7617
Hedden, P. 6749, 8913
Hedden, S. L. 3147, 8198
Hedidar, S. 5859
Hedin, P. A. 4468
Hedström, I. 8291
Heel, M. van 4854
Heering, D. C. 1612, 2965, 3577-3578
Hegarty, M. P. 6173
Hegazi, A. M. 3424
Hegazy, M. K. 7322
Hegde, A. N. 9060
Hegde, B. A. 2328, 2386
Hegde, D. M. 295, 888, 2152, 4111, 8737
Hegde, R. K. 1764, 1823, 9060
Hegde, Y. 1823
Hegedus, P. 8606
Hegenscheid, B. 6183
Heiberg, N. 5536
Heide, O. M. 7844, 8971
Heidmann, I. 1581
Heij, G. 1570, 1576, 7817
Heijden, R. van der 630
Heim, S. 6180
Heininger, D. 6828
Heins, B. 5650
Heins, R. D. 1574, 1578, 2229, 5007, 5991
Heinz, E. 1432
Heinzlé, Y. 7433
Heiskanen, J. 3065
Heissner, A. 3402
Helail, B. M. 7312
Heldt, H. W. 2099, 7680
Hellemans, B. 7718
Heller, W. 5927
Hellgren, O. 6051
Hellin, E. 653
Hellmig, A. 1254
Helmy, A. M. 5088
Helyer, N. L. 380
Hema Lohani 7976
Hemavathy, J. 5323
Hemmat, M. 868
Hempel, M. 3549, 5008
Hempel, T. 3549, 5008
Henderlong, P. R. 5050
Henderson, K. G. 4275, 5499
Henderson, L. J. 8420
Hendrich, W. 5817
Hendricks, H. J. 6843, 6856, 7050
Hendriks, C. H. M. 8982
Hendriks, H. 1130, 9153
Hendriks, L. 1635
Hendrix, A. T. M. 1568, 8763
Hendrix, R. C. 1822
Hengky, N. 6301, 9334
Heni, J. 3739
Hennig, K. 6086
Henny, R. J. 2250-2251, 2975, 3601, 5056
Henriksen, K. 1446, 2108, 5622
Henriques, A. T. 4492
Henry, M. 944
Henrysson, T. 8696
Hensel, W. 4884
Hentig, W. U. von 1579
Hentschel, K. D. 8753, 8900
Hentzer, E. 7002
Henze, J. 885, 3386
Hepher, A. 1011
Hepperly, P. R. 5940
Heppner, J. B. 8999
Heptinstall, S. 6993
Hera, C. 4216
Heradstveit, F. 4037
Heras, L. 5482
Herath, H. M. G. 8346
Herath, H. M. T. B. 3779
Herath, W. H. M. W. 1176, 8119
Heredia, A. 6496
Herger, G. 9093
Herke, I. 4499
Herman, Z. 1805, 6257, 7033
Hermann, G. 3464
Hermano, F. G. 748
Hermans-Lokkerbol, A. 3092
Hermes, Y. 449
Hermoso, J. M. 642, 2470
Hermoso, R. 1433
Hermoso Fernández, M. 3156, 9295
Hermus, R. 7737-7738
Hernán, A. 3003
Hernández, C. 5274
Hernández, E. 1654
Hernández, L. M. 3003
Hernández, R. 7956
Hernández, R. L. 8295
Hernandez, T. A. 1837
Hernández-Jáuregui, P. 3087
Hernández León, A. 1225
Hernando, V. 5916
Herner, R. C. 1607
Herrera, J. R. 3800, 6982
Herrero, C. 8057
Herrero, M. 4010
Hershey, D. R. 388, 1014
Hertz, L. B. 5883
Herwan 6126
Herz, W. 5206
Heslop-Harrison, J. 6030
Heslop-Harrison, Y. 6030
Hess, D. 2213
Hesse, B. J. 2593
Hetesi, E. 3295
Héthelyi, É. 2306, 3295, 3732, 3815
Hetherington, A. 1513
Hetman, J. 4345-4346, 4363, 4372
Heuer, B. 1525
Heungens, A. 973
Heusinger, G. 3861
Heuvel, J. van den 5957
Heuveldop, J. 8250-8251
Heuvelink, E. 7753
Hew, C. S. 5065, 7907
Hewetson, W. F. 8327
Hey, G. 4885, 7566, 7626
Heyningen, P. van 7158
Heywood, J. S. 6016
Heywood, V. H. 2436
Hi, Z. H. 66
Hicklenton, P. R. 1439
Hicks, C. B. 399
Hicks, G. S. 58
Hicks, K. B. 821
Hicks, R. D. 2243-2244
Hicks, T. V. 6071, 9030
Hidaka, T. 7021
Hidefumi, I. 6731
Hidvégi, E. J. 6686
Hiebler, A. 8643
Hieke, K. 3630-3631
Hiermann, A. 577
Hietter, H. 2341
Higa, M. 5205
Higaki, P. C. 3608
Higaki, T. 6006
Higgins, J. M. 3581
Higgins, S. S. 1976
Higgins, V. J. 3501
Higley, M. 6052
Higuchi, H. 392
Higuchi, M. 8837
Higuchi, R. 5218
Higuchi, T. 1760
Hikasa, Y. 63
Hikichi, K. 2424
Hikino, H. 1697, 2368, 4484, 4505, 4533, 5207
Hildebrand, P. D. 6519
Hill, M. 5174
Hill, S. B. 953
Hill, S. J. 50, 7216
Hille-Peters, M. 485, 1052
Hiller, K. 627, 6183, 6986-6987
Hillier, G. R. 1532
Hils, J. 6183
Hilton, D. J. 2608
Hiltunen, R. 3669, 5109
Himeno, H. 1665
Himme, M. van 8666
Himmler, G. 7225
Hincha, D. K. 2807-2808
Hine, T. 1896
Hines, R. L. 5079
Hines, T. E. 2128
Hinnen, M. G. J. 5801
Hinou, J. 6964
Hinsch, R. T. 3590
Hintze, J. 8894
Hirabayashi, T. 2690
Hirabayashi, Y. 5060
Hirai, M. 9301
Hirai, Y. 9138
Hirano, T. 7168
Hiraoka, A. 1896
Hiraoka, N. 3085
Hirasawa, M. 8836
Hirase, J. 5351
Hirata, K. 559, 3736
Hirayama, F. 5190
Hirayama, Y. 6937
Hiremath, P. C. 9357
Hirota, S. 4174
Hirotani, M. 580
Hirschmann, G. S. 623, 4472, 5224, 6894, 8111
Hirvi, T. 1056
Hisamatsu, S. 6643
Hisatomi, S. 3621
Hisatomi, T. 6591
Hitchon, G. M. 8889
Hizume, M. 7921
Hloušek-Radojčić, A. 8983
Hnatyszyn, O. 8097
Ho, C. T. 3528, 3663-3664, 5138
Ho, C. Y. 1223
Ho, H. H. 8047
Ho, H. M. 5491
Ho, S. T. 3186
Ho, Y. S. 1710
Höbaus, E. 8641
Hobir 6129
Hobson, G. E. 5920, 8441
Hobson, G. P. 6687
Hochmuth, G. J. 4770, 5725, 8883
Hocking, D. F. 2817, 3359, 3374

Hocquemiller, R. 8056, 9219
Hoda, M. N. 3178
Hoddinott, J. 5760, 7622
Hoddinott, J. L. 266
Hodel, D. R. 2268
Hodges, M. 8819
Hodges, T. K. 7805
Hodgson, J. M. 8824
Hodgson, W. 2393
Hodossi, S. 3470
Hoefler, C. 3107
Hoehn, H. 163
Hoek, I. H. S. 1603, 5042
Hoekstra, F. A. 3553, 8995
Hoeven, A. P. van der 1571, 5981
Hof, N. A. A. 2232, 2949, 2955-2956, 6033, 6816, 8975, 8978
Hofer, O. 8013
Hoffman, B. 3729
Hoffman, M. 408
Hofman, P. J. 2504
Hofmann, W. C. 247
Höfner, M. 1235
Höfner, W. 652
Hogan, L. 9231, 9235
Hogue, E. J. 1954
Höhn, E. 1965, 3235, 4672
Höhn, H. 118
Hoitink, H. A. J. 1474
Hokama, K. 5205
Hol, G. M. G. M. 8977
Holcomb, E. J. 1574, 5007, 9042
Holden, M. A. 2886
Holdsworth, D. 1088-1089, 3035-3037
Hole, C. C. 974-976
Holgate, M. E. 4690
Holland, P. T. 5544, 8227
Hollands, J. 3501
Hollands, K. G. T. 4613
Hollman, P. C. H. 5986
Hollnagel, I. 231, 882
Holloway, J. D. 3910
Holloway, P. S. 1016
Holmenlund, N. 6009, 6789
Holmes, R. 3865
Holmes, R. G. 7148, 7199, 8917
Holsteijn, G. P. A. van 4308, 6721
Holsteyn, S. van 7567
Holt, E. M. 9109
Holt, J. S. 7828
Holtum, J. A. M. 7896
Holtzhausen, L. C. 2463, 7317
Holub, J. 1989
Holubowicz, R. 5749-5750
Holý, A. 8794
Holzapfel, C. W. 3881
Holzäpfel, G. 1453
Hölzl, J. 3729
Holzwarth, A. R. 5807, 5814
Homann, P. H. 6597
Homberg, P. van de 7759, 8906
Home, R. W. 3331
Homes, J. 3656, 3748
Hommes, M. 8726
Hon, W. K. 2398
Honda, F. 7369
Honda, G. 6204, 9199
Honda, J. 9045
Honda, T. 462, 6818
Hong, K. H. 5014, 5507
Hong, Q. Z. 7031
Hong, S. H. 1147
Hong, Y. 3444
Hong, Y. P. 5014, 5028
Honkanen, E. 1056
Honma, S. 4153
Honza, J. 4918
Hoof, L. van 3083
Hoogendoorn, C. 5951
Hoogendoorn, H. M. 3151
Hooper, A. W. 7173
Hoós, S. 7912
Hoover, E. E. 3313, 4039, 5506
Hope, A. B. 3444
Hope, H. J. 8810
Hopen, H. J. 1611, 5683, 5720
Hopkins, J. D. 7124
Hoque, M. M. 1443, 7462, 7740, 7740
Hore, J. K. 3124, 7019
Hori, H. 3821
Hori, K. 9208
Horie, S. 3109, 9190
Horie, T. 1680
Horiguchi, I. 7168
Horiguchi, T. 5731, 7633
Horita, H. 1869, 3196, 3204, 5350, 6359
Hornok, L. 2311, 7966
Hornus, P. 3883, 5325
Horry, J. P. 9307
Horsch, R. 3915
Horský, V. 3690
Horton, B. D. 4008
Horton, J. 3416
Horton, P. 8818
Horvat, R. 5284
Horvat, R. J. 3404, 4653
Horváth, P. 3719
Hosamani, K. M. 6364, 9132
Hosamani, S. A. 3355
Hoshino, T. 6817
Hosier, M. A. 1897
Hosking, W. J. 1198
Hosnedl, V. 8831
Hosomi, K. 1852, 6326
Hosoya, E. 1173, 2327
Hossain, A. 9102
Hossain, A. K. M. A. 6716, 7740
Hossain, M. M. 7740
Hossain, S. M. M. 8928
Hostettmann, K. 529, 1686, 3024, 3768, 6150, 6893
Hough, L. F. 773, 3992
Hough-Goldstein, J. 8728
Houghton, P. J. 620-621, 5152
Houle, J. F. 6403
Housami, K. 2752
Houšek, A. 5097
Houtz, R. L. 4784
Houwing, L. 144
Howard, B. H. 824, 4624
Howard, C. M. 4770
Howard, D. F. 7026
Howe, T. K. 2943
Howell, G. S. 6547-6548
Howell, J. F. 7249
Howie, R. A. 1767
Howitz, K. T. 3455, 8697
Howlett, B. 6600
Howley, K. S. 901
Hoxha, E. 4804, 5136
Høyer, L. 7900
Hracky, R. 1511
Hradilík, J. 4268, 4616
Hruschka, W. R. 256
Hruška, E. 2643
Hrutfiord, B. F. 6871
Hsieh, T. S. 4594
Hsieh, W. C. 7804
Hsieh, W. H. 1867, 5692
Hsu, B. D. 8704
Hsu, F. C. 8780
Hsu, H. Y. 1710
Hsu, Y. H. 5565
Hu, B. L. 1136
Hu, C. H. 1867
Hu, C. Z. 6761
Hu, H. 2544
Hu, N. Z. 3524
Hu, T. 2395
Hua, Y. F. 6872
Huang, A. S. 361
Huang, B. 2922
Huang, C. H. 7086
Huang, H. 3740, 7258
Huang, H. B. 662
Huang, L. C. 3222
Huang, M. F. 9202
Huang, M. L. 6805
Huang, S. 9181
Huang, S. C. 3838, 5692
Huang, S. Z. 9028
Huang, X. F. 3526
Huang, Y. J. 8940
Huang, Y. P. 1494, 2133
Huang, Y. Q. 1494
Huang, Y. Z. 1065
Huang, Z. T. 6771
Huang, Z. X. 2519
Huault, C. 2114, 5702
Hubáček, J. 3264
Hubáčková, M. 841, 2750, 8626
Huber, D. J. 6663-6664, 8762
Huber, J. 67
Huber, R. T. 7250
Huber, S. C. 5658
Huber, T. 127
Huber, W. 3207, 4393
Huberman, M. 920
Hübner, K. D. 1630
Hucklesby, D. P. 38
Hudák, J. 165
Huddleston, J. 9171
Hudler, P. 917
Hudská, G. 1951
Hudson, J. B. 3112, 5160, 5192
Hue, N. V. 4556, 7040
Huerres Pérez, C. 4952
Hufford, C. D. 6235, 8045, 9211
Hughes, B. G. 6211
Hughes, H. 6035
Hughes, H. G. 4759
Hughes, L. 3939
Hughes, P. R. 4876
Huh, K. Y. 6044
Huhtikangas, A. 3065, 9123
Huitema, J. B. M. 1564-1565
Huizing, H. J. 7141, 9153
Hukeri, V. I. 6217
Hulbert, G. J. 4328
Hull, J. 3269
Hull, L. 4602
Hull, L. A. 51
Hull, R. J. 419, 1610, 5049
Hulmani, N. C. 9357
Hulugalle, N. R. 294
Human, N. B. 2467, 3869
Human, T. P. 2510
Hume, D. J. 8772
Hume, L. J. 1198
Hummadi, K. B. 323
Hung, Y. C. 4329
Hungria, M. 2858, 3413-3414, 4214-4215, 6674, 8773
Hunshal, C. S. 3355
Hunt, A. W. 6521
Hunt, P. G. 3494
Hunter, A. 7763
Hunter, R. E. 69
Huopalahti, R. 2293, 2297
Huppert, H. 4836
Huq, F. 4446
Huq, S. 4191, 4518
Hur, C. W. 596
Hurduc, N. 4229
Hurle, K. 7125
Hurley, R. H. 2962-2964, 4384, 7885
Hurst, W. C. 3506
Hurtado, L. M. 1654
Husain, A. 188, 1677
Husband, B. M. 2504
Husistein, A. 2685
Husny, Z. 8315
Hussain, R. A. 2403
Hussain, S. F. 1176
Hussain, S. I. 7577
Hussain, Z. 2375
Hussaini, F. A. 9193
Hussein, A. H. A. 4236
Hussein, A. J. 7382
Hussein, A. M. 9333
Hussein, S. A. 4554
Hussein Ayoub, S. M. 6149
Hussey, P. J. 5928, 8784
Husson, H. P. 9168-9169
Hutchinson, B. 927
Hutla, P. 4154, 7170
Hutton, R. J. 102
Huxsoll, C. C. 3974
Huyssteen, L. van 1382
Hvoslef-Eide, A. K. 6054
Hwang, E. G. 5032
Hwang, J. H. 7108
Hwang, J. K. 6059, 7108
Hwang, J. L. 7336
Hwang, K. S. 5490
Hwang, L. L. 4320
Hwang, Y. S. 3262
Hyde, R. E. 713
Hyland, L. J. 1093
Hymete, A. 589
Iacobucci, G. A. 4553
Iancu, M. 3289
Iannini, B. 7403
Iapichino, G. 1599
Iapichino, G. F. 903
Iba, Y. 9273
Ibacache G., A. 3273
Ibáñez, R. 8200
Ibragimov, A. A. 3095
Ibrahim, A. G. 9333
İbrahim, A. R. 8863
Ibrahim, H. E. H. 8791
Ibrahim, K. K. 9058
Ibrahim, N. 2339
Ibrahim, N. A. 4112
Ibrahim, R. K. 5359
Icekson, I. 1512
Ichihara, T. 2417
Ichihara, Y. 588
Ichikawa, M. 1140
Ichimura, N. 3980
Idaka, E. 1615
Idder, A. 3855
Ide, J. P. 5819
Idriceanu, A. 4216
Idso, S. B. 7191, 8668
Iengo, C. 5671
Iezzoni, A. F. 789
Iffat Ara 6892
Igbeka, J. C. 7202
Igboko, O. A. 3762
Iglesias, A. A. 4128
Iglesias, I. 5854
Ignatenko, M. M. 4438
Ignatenko, V. A. 4049-4050, 6520
Ignat'ev, A. R. 3799
Ignatsenka, V. A. 6520
Igoshina, V. G. 2742
Igoshina, V. T. 4065
Igue, T. 4109, 5339
Iida, H. 2288, 2440
Iida, N. 3571
Iinuma, M. 579, 612, 1174, 1200, 2523, 3110, 6001, 6783, 6946, 7910
Iitaka, Y. 2344, 3074, 3821
Iizuka, Y. 9276
Ikan, R. 5129, 7968
Ikarashi, T. 6817
Ikeda, H. 1167, 8620
Ikeda, K. 1100, 8042-8043
Ikeda, T. 3025
Ikeda, Y. 574
Ikegami, F. 2146, 4190, 8707
Ikegami, I. 6599
Ikegami, S. 9208
Ikekawa, T. 637
Ikenaga, T. 8109, 9206
Ikeuchi, M. 4255, 4263
Ikeya, Y. 2327, 3803
Ikram, M. 540, 1713, 3033
Ikramov, M. I. 1700, 6225
Ikromov, A. 3831
Ikura, M. 2424
Ilahi, I. 3105, 4508, 8100, 9067
Iland, P. G. 6572
Ilesanmi, O. R. 6942
Ilias Muhammad 1104
Iliescu, A. F. 6004
Iliev, L. K. 1460
Iliev, P. 2696
Ilieva, V. 1260
Il'nitskii, O. A. 3985
İlter, E. 4810
Ilyas, M. 1736
Imagawa, H. 6047, 6357
Imai, T. 612

Imaida, M. 6656
Imakura, Y. 8032
Imamaliev, G. N. 7372
Imamura, J. S. 6006
Imanishi, H. 6806
Imoto, S. 3486
Imoto, Y. 3111
Ina, H. 2288, 2440
Inaba, A. 8242
Inaba, M. 2174, 2925, 4974
Inada, K. 7573
Inamdar, J. A. 2289, 2574, 5245
Inamori, Y. 3023
Inayama, S. 3074, 3821
Inbar, Y. 7176, 7901
Indenko, I. F. 2615
Inder Mohan 1919
India, Associated Agricultural Development Foundation 18
India, Central Plantation Crops Research Institute 7134
India, Defence Research & Development Organization 5371
India, Indian Society of Agricultural Engineers 4615
India, National Botanical Research Institute 2950, 3041
India, United Planters' Association of Southern India 8372
India, University of Agricultural Sciences, Hebbal, Bangalore 4619
Indiogine, S. E. P. 6493
Indiresha, K. M. 7980
Indrák, P. 879
Indyk, H. W. 4384
Informatore Agrario 4558
Ingebrigtsen, J. 6766
Inglese, P. 9291
Ingorokva, B. I. 3894
Ingram, D. L. 27, 460, 2266, 3643, 4538, 5077
Ingvarsson, A. 6516
Injac, M. 7251
Inman-Bamber, N. G. 5334
Innocenti, G. 1121, 1994
Ino, C. 580
Inohara, M. 149
Inoshiri, S. 554
Inoue, H. 6594, 8028
Inoue, K. 3098, 5121, 7025, 7047, 7180, 8196
Inoue, M. 1068, 4529
Inoue, S. S. 6895
Inoue, Y. 4255, 4263
Inouhe, M. 7697
Inouye, H. 1068, 1167, 3780, 5121, 7047
Inserra, S. 7181, 8957
Inteaz Alli 707
International Society for Horticultural Science 730, 1249, 1883, 3210, 5373-5374, 8373-8374
International Trade Centre, UNCTAD/GATT 7138, 7833
Intrieri, C. 4663, 4808, 7132
Ioanid, A. 636
Ioannou, N. 5908
Ionescu, P. 3278
Ionev, S. 2059
Ioneva, Zh. S. 8898
Iordachescu, C. 2095
Iordanov, D. 7729
Iordanov, I. 5763-5764
Iordanov, I. T. 5762
Ipatil, A. D. 5590
Ippolito, A. 7240
Iqbal, S. H. 7871-7872
Ireland, R. J. 7686-7687
Iremiren, G. O. 3179, 5841, 9337
Iriah, J. 2444
Irie, M. 5291
Irish Republic, An Foras Talúntais 3212
Iroshnikov, A. I. 1244
Irvine, R. F. 1907
Irving, D. E. 759, 3280
Isabel Fernández, M. 2410
Isaev, M. I. 3725-3726, 6916-6917
Isakova, M. D. 781, 3983
Isakova, M. G. 2652
Isakova, R. F. 4381
Isenberg, Y. M. 409
Ishibashi, M. 2341
Ishida, B. K. 8053
Ishida, T. 1068
Ishigmo, K. 1741
Ishiguro, M. 9065
Ishihara, N. 2820
Ishimatsu, M. 2407
Ishimine, Y. 6333
Ishimura, I. 4184
Ishino, M. 2437
Ishizaki, O. 902
Ishizawa, Y. 2671
Iskandar, S. H. 3679
Iskrenova, E. 5195
Isla, M. I. 8965
Islam, M. 7545
Islam, M. E. 4521
Islam, M. R. 8012
Islam, M. S. 8284
Islam, M. T. 8721
Islam, M. W. 3655, 6186
Islam, S. 4446
Islami, X. 1445
Ismail, A. A. 8608-8609
Ismail, Kh. 8498
Ismailov, N. M. 3019
Isman, M. B. 1082
Isoda, R. 159, 8637, 9299
Isoda, T. 8596
Isogai, Y. 1425
Israeli, E. 5276
Israeli, Y. 3167
Issa, E. 4106
Istarabadi, T. A. W. 4343
Istas, W. 463
Istrate, M. 2649, 2658
Italy, Accademia Italiana della Vite e del Vino 7132
Italy, Istituto Sperimentale per l'Assestamento Forestale e per l'Alpicoltura, Villazzano 6373
Italy, Università di Firenze 4607
Itier, B. 8905
Itimura, K. 8109
Ito, C. 2405
Ito, K. 420, 8050, 9208
Ito, L. 1608
Ito, M. 2349, 5418, 6247
Ito, M. F. 1489
Ito, Y. 5190, 7142, 8103
Itoh, S. 5655, 6598-6599
Itoh, Y. 1852, 6326
Itokawa, H. 588, 2344, 2374, 2385, 2451, 3717, 5214, 8021
Itoo, S. 9272, 9350
Itzhaki, H. 6775
Iuchi, A. 1153, 9214-9215
Iuroaie, T. 6540, 6561
Ivanchenko, V. I. 2007
Ivanchenko, V. M. 8823
Ivankina, N. G. 8434
Ivanov, A. 7357
Ivanov, A. G. 4262
Ivanov, A. J. 5552
Ivanov, L. 3412
Ivanov, V. B. 6221
Ivanova, A. S. 8549
Ivanova, L. M. 5874
Ivanova, N. N. 929
Ivanova, S. G. 202
Ivanova, Z. Ya. 1073
Ivaşcu, A. 7298
Ivashchenko, A. T. 7678
Iwagoe, K. 3671
Iwahori, S. 9270-9271
Iwai, K. 8837
Iwai, T. 7997
Iwaki, M. 6598
Iwakiri, B. T. 2009
Iwamasa, M. 1200, 2523
Iwamura, J. I. 1090
Iwasa, K. 566
Iwasaki, H. 2437
Iwasaki, S. 6731
Iwase, Y. 3045
Iwashita, T. 1672, 6947
Iwata, T. 6046, 6767, 8916, 8935
Iwaya-Inoue, M. 8428
Iwu, M. M. 3762
Iyama, Y. 5418
Iyengar, B. R. V. 7027
Iyengar, M. A. 541
Iyer, C. P. A. 5308
Izhar, S. 4890
Izhar, Y. 8165
Iziro, Y. 6804
Izmailov, S. F. 929
Iznaga, O. L. 1233
Izquierdo, J. A. 4183
Izrail'son, V. F. 1111
Izuhara, R. 9156
Izumi, K. 7997
Jaaska, V. 6665, 6665
Jabbar, A. 6189
Jabeen, M. 4508, 9067
Jabůrek, V. 1989
Jacintho, A. O. 6347
Jacklin, A. W. 2963, 4383, 7883
Jackson, A. H. 7943
Jackson, D. I. 4801, 6546, 6570
Jackson, H. A. 6403-6404
Jackson, J. E. 59, 825
Jackson, J. L., Jr. 3131
Jackson, L. K. 3132, 6245
Jacob, F. 6410, 8798
Jacob, J. L. 1851
Jacob, S. 3380, 6701
Jacob, V. J. 2546
Jacob Neto, J. 8775
Jacoboni, A. 3924, 7041
Jacoboni, N. 7041
Jacobs, H. 2396
Jacobs, M. 3915
Jacobsen, S. 988
Jacobsohn, R. 5794, 8881
Jacobson, B. 738
Jacobson, M. 4466
Jacoby, B. 3827
Jacoutet, I. 8442
Jacques, D. 2981
Jacques, D. J. 2258
Jacquier, M. J. 629, 4524
Jacquot, J. P. 4848, 7502
Jadav, K. V. 2120
Jadhav, S. J. 3825
Jadin, P. 9332
Jaehn, A. 1220-1221, 8267-8275
Jaffe, M. J. 920, 3144
Jaffer, H. J. 6900
Jagadish, G. V. 8390
Jagannathan, L. 5099
Jagdale, M. H. 6203
Jagendorf, A. T. 6600
Jäger, H. J. 4913, 7748
Jager, J. M. de 2467, 5334
Jaggi, R. K. 3809
Jagpal Singh 8695
Jagrup Singh 9054
Jahjah, M. 1206
Jahn, M. 8488
Jahn, S. A. A. 3206
Jahnen, W. 5106
Jailloux, F. 1392
Jaime, S. 642
Jaime Palacio, S. 5255
Jain, A. K. 4983
Jain, D. C. 5747
Jain, G. L. 8814
Jain, J. C. 6411
Jain, P. C. 1664
Jain, P. P. 6152
Jain, R. 1774, 2555, 9095
Jain, S. 1117, 6899, 6956
Jain, S. C. 2389, 3820, 5170, 7965
Jain, S. K. 5938
Jaiswal, B. P. 3154, 7035
Jaiswal, V. S. 1650
Jakeway, L. A. 8327
Jakobsen, I. 4243
Jakobsen, S. T. 3509
Jakupovic, J. 549, 610, 1148, 5111, 5162, 5209, 6956
Jalikop, J. H. 5265
Jalón, J. 7195
Jamal, S. 1162
Jámbor-Benczúr, E. 2223, 2262, 7908
James, D. J. 806, 5443
James, E. A. 4997
Jamieson, A. 389
Jamil, F. A. 8405
Jamshaid, M. 9201
Jana, B. K. 6822, 9216
Jana, P. K. 9066
Janave, M. T. 1418
Jančić, R. 5127, 5226
Janes, H. 4137
Janes, H. W. 5905
Jang, H. I. 3248
Jang, Y. R. 8704
Jangwan, J. S. 1125
Janicot, J. L. 5212
Janisiewicz, W. J. 7273
Janjić, V. 4012
Jankiewicz, L. S. 6755
Janković, R. 61, 106, 122
Jansakul, C. 1711
Janse, J. 7758
Janse, J. D. 1571
Jansen, A. B. 4133, 5663, 8711, 8740, 8867
Jansen, G. 7494
Jansen, H. 2793
Jansen, R. K. 7826
Janssen, A. M. 508
Janssen, L. H. J. 2849
Jansz, E. R. 1750
Japan, Institute of Agricultural Machinery 2586
Japan, Japanese Society of Agricultural Machinery 6
Jaques, R. P. 8500
Jaramillo Robledo, A. 709
Jardine, D. J. 1536, 2916
Jarebica, D. 6483
Jargiełło, A. 7992
Jarocka, M. 4345-4346
Jarosiewicz, B. 320, 326
Jarrell, W. M. 332
Jarvis, B. B. 8030, 9125
Jaša, B. 4141, 4388
Jásik, J. 165
Jaskonis, J. 4457
Jaśkowiec, J. 393
Jaspers, M. W. J. M. 2387
Jassim, A. H. 7542
Jaswant Singh 4746
Jaswinder Singh 5002
Javellana, A. M. J. 637
Javier, P. A. 9092
Jawad, A. M. 6900
Jawaharlal, M. 7477
Jawanda, J. S. 4731
Jaworski, A. 4789
Jaworski, A. W. 4093, 8520
Jay, M. 5963, 5965, 9307
Jaya Singh 2291
Jayanthi, R. 2215, 2947
Jayaraman, K. S. 1826
Jayasekera, J. S. 6906
Jayasinghe, K. S. A. 2400
Jaynes, R. A. 6857
Jaziri, M. 3656, 3748
Jeangros, B. 8660
Jefferies, P. R. 3791
Jeffery, D. 349, 1544
Jeffree, C. E. 1253, 2130
Jeger, M. J. 7060
Jeglorz, J. 1454
Jelenic, D. B. 7422
Jelenkovic, G. 2030
Jelínková, H. 7170
Jen, J. J. 3514

Jenkins, B. M. 4647
Jennane, A. 4928
Jennings, D. L. 3305
Jennings, R. C. 6602
Jennings, W. 3301, 8558
Jennings, W. G. 4568
Jensen, E. S. 2874
Jensen, F. A. 3228
Jeong, J. H. 5014
Jeong, Y. H. 8859
Jepson, P. C. 7114
Jerie, P. H. 46, 2000
Jernstedt, J. A. 2227, 6809
Jerzy, M. 1567
Jesang, C. M. 6036
Jesus, I. S. de 8189
Jeyarajan, R. 5304
Jha, N. K. 5938
Jha, S. 2438
Jha, S. N. 981
Jha, U. N. 981
Jhala, R. C. 8756, 9351
Jhooty, J. S. 4070, 9347
Jhorar, B. S. 6122
Ji, S. Y. 7466
Ji, Z. L. 767, 769
Jia, Z. J. 9087
Jiang, D. K. 1866
Jiang, H. M. 7559
Jiang, X. J. 8793
Jiang, Z. D. 1127
Jianmin, W. 6227
Jianu, L. 6540, 6552, 6561
Jílek, J. 3021
Jilin, W. 1230
Jim, C. Y. 4410
Jiménez, J. 517, 1076, 1681, 6202, 6954, 7989
Jiménez, M. J. 6162
Jiménez, M. S. 2259
Jin, M. X. 9396
Jin, S. M. 998
Jin, S. P. 998
Jindal, K. K. 8459, 8465-8466, 8470-8471, 8581, 8584-8586
Jirón, L. F. 8291
Jo, H. M. 4676
Joas, J. 684
Joginder Singh 116
Johansen, J. 5652
John, A. Q. 8966
John, C. K. 6034
John, M. A. 4588
John, P. 4587, 5149, 8597
Johns, G. 8241
Johnsen, A. M. 7263
Johnson, A. G. 7153
Johnson, B. J. 1021, 6039, 6042, 8990
Johnson, C. 4294, 5414, 5837
Johnson, C. E. 8535
Johnson, C. R. 1658, 1663
Johnson, D. H. 7704
Johnson, D. S. 1302, 6460
Johnson, D. V. 6362
Johnson, F. 1640
Johnson, G. P. 3998
Johnson, K. D. 2863, 4203
Johnson, M. G. 64
Johnson, R. S. 1353, 6488
Johnston, M. 6064
Joi, M. B. 3482, 8848-8849
Jokiranta, J. 1094
Joković, P. 6514
Jolivet, E. 3371, 6609
Jolley, V. D. 333
Jolliffe, P. A. 350, 1062, 5664, 5760, 8912
Joly, L. G. 2337
Joly, R. J. 9326
Jona, R. 440, 2545, 8577
Jones, A. C. 1187
Jones, A. L. 3249, 6451
Jones, D. L. 6057
Jones, D. W. 6620
Jones, G. Morgan- 7184
Jones, G. W. 7885
Jones, H. G. 8509
Jones, J. W. 738
Jones, K. M. 2626, 2640-2641
Jones, L. H. 3867, 5324
Jones, O. P. 4662, 5556
Jones, O. T. G. 2101
Jones, P. 738, 1193
Jones, R. A. 8454
Jones, R. K. 6794
Jones, R. W. 4850
Jones, S. B. 4035
Jones, S. B., Jr. 6799
Jones, S. K. 7885
Jones, T. J. 7674
Jones, V. 7030
Jones A. 5926
Jong, J. de 1564-1566, 7835
Jong, T. M. 983
Jong, T. T. 3838
Jongbunprasert, V. 9113
Jonker, H. H. 7141
Jonsson, L. 1655
Joó, F. 7677
Joo, Y. K. 6044
Jookla, N. K. 8619
Joosse, M. L. 1978, 5501-5502
Jooste, J. F. 8657
Jordan, J. L. 2822-2823, 3282
Jordan S., A. 6279
Jorge Carmona, A. 8239
Jørgensen, I. 1549, 3509, 9107
Jørgensen, L. N. 8686
Jorjani, H. 3959
Jörnvall, H. 6604
Josan, J. S. 7023
Jose, A. I. 5302
Joseleau, J. P. 5540
Joseph, H. 8094, 9166
Joseph, J. P. 5245
Joseph-Nathan, P. 584, 9177
Joshee, N. 9207
Joshi, A. T. 4155
Joshi, B. 9161
Joshi, B. C. 4470, 6944
Joshi, B. S. 9109
Joshi, D. C. 8364
Joshi, H. C. 260
Joshi, K. C. 635
Joshi, K. R. 4020
Joshi, M. N. 542
Joshi, M. R. 1418
Joshi, O. P. 3172, 4577, 8285
Joshi, P. 6139
Joshi, R. 7079, 7306
Joshi, R. P. 2116, 2159
Joshi, R. S. 2567
Joshi, S. M. 4702
Joshi, S. S. 3606
Joshi, V. K. 2418
Joshua, S. D. 7570
Jósza, M. 7912
Jotic, P. 2626
Joubert, F. J. 6104
Joulain, D. 5074
Jourdan, P. S. 2522
Journeau, A. 1303
Jouy, L. 8989
Jovanović, M. 7266
Joy, K. W. 7686-7687, 8810
Joy, M. T. 7971
Ju, H. Y. 8566
Juan, H. 577
Juárez, M. 158
Juarranz, A. 7483
Jubb, G. L., Jr. 6569
Juhász, G. 3815
Juhász, O. 2081
Julien, M. H. R. 5333
Julshamn, K. 1555
Junge, W. 4857, 5821
Jungk, A. 2796
Jungnickel, F. 7363
Junior, P. 603, 6963
Junker, R. 1605
Junnarkar, A. Y. 5164
Jurenitsch, J. 5082
Juri, M. L. 8302
Jursinic, P. 3438
Jursinic, P. A. 8820
Jurzysta, M. 6896
Jusop, S. 8302
Juste Pérez, F. 8200
Justin, A. M. 1955
Jústiz, A. 6339, 6341
Kabana, R. Rodriguez- 7184
Kabangu, K. 581
Kabir, K. H. 9086
Kabir, S. N. 9163
Kabisheva, T. 5803
Kable, P. F. 3290-3291
Kaburagi, K. 9053
Kachroo, A. 5354
Kachroo, P. L. 6948
Kacperska, I. 5010-5011
Kadam, R. H. 3889
Kádár, I. 3787
Kaďarová, S. 1359
Kader, A. A. 5515
Kadhum, H. M. 314, 5895
Kadirberlina, G. M. 3068
Kadman, A. 6263
Kadman-Zahavi, A. 2209
Kadota, S. 2448, 9155
Kafalieva, D. 4262
Kafkafi, U. 1471, 1802, 2474
Kagan, S. 5967
Kagan-Zur, V. 3449, 4318
Kagei, K. 5161
Kahar, L. S. 1156, 1755
Kahlon, G. S. 5314
Kahn, V. 4537
Kahrer, A. 5633, 8726
Kaicker, U. S. 7931
Kaikkonen, A. 1094
Kailasam, C. 3875
Kaimori, N. 7799
Kainsa, R. L. 8871
Kairu, G. M. 1831
Kaiya, T. 1125
Kajikawa, I. 2451
Kajimoto, T. 2377
Kajiura, H. 5824
Kajiura, I. 7021, 9301
Kajiwara, A. 1153
Kajiwara, K. 5210, 6391
Kajiwara, T. 5743
Kajtár, M. 1705
Kakabadze, T. G. 3899
Kakar, K. L. 6277, 8451
Kakauridze, A. A. 76
Kakhana, B. M. 2170
Kakihara, F. 5015
Kakiuchi, N. 3980
Kakrani, H. K. 6203, 6217
Kaku, S. 8428
Kakuriya, D. B. 6246
Kalandarishvili, T. D. 6244
Kalandarishvili, T. L. 1791, 2516, 3829
Kalappa, V. P. 8390
Kalashnikov, Yu. E. 935
Kaldor, C. J. 1532, 3290
Kale, P. B. 4155, 5636, 7486-7487
Kale, P. N. 4902, 6714, 8718, 8849, 8862
Kale, S. M. 7487
Kalendová-Kulasová, A. 2270
Kal'gina, R. S. 5455
Kal'gina, R. V. 3247
Kalinichenko, L. N. 1410
Kalinichenko, V. G. 1410
Kalinina, G. A. 6412
Kalinina, L. M. 2119, 2837
Kalla, A. K. 1772, 3814
Kallay, T. 5470
Kalló, D. 6708
Kalloo 7474
Kalmar, D. 2472, 5253, 6241, 6287, 7011
Kalmowitz, K. 3618
Kalmykova, E. P. 2096
Kałoń, J. 132, 7343
Kaloshina, N. A. 9131
Kalra, S. K. 5322
Kalsi, P. S. 9240
Kaltsikēs, P. 2882
Kalu Singh 7038
Kalva, G. 1017
Kalyani, G. A. 6203, 6217
Kamanga, K. D. E. 3892
Kamarudzaman Aribi 5269
Kamat, S. S. 5382
Kamber, R. 2732
Kambod Singh 5114
Kambskard, J. 7002
Kamburov, S. 7080
Kameda, K. 1212
Kamel, H. A. 5058-5059, 5084
Kamel, M. W. 8787
Kamel, W. 8788
Kamemoto, H. 395, 455, 1006, 6839
Kamenická, A. 125, 2666
Kamenosono, M. 7585, 8011
Kameoka, H. 3052, 8098
Kamerman, W. 6027
Kamga, F. 3883
Kamigauchi, M. 566
Kamijo, M. 6818
Kamil, W. M. 3040
Kamilov, Kh. M. 3081
Kamínek, M. 2270
Kamiya, Y. 7620
Kamiyama, H. 4190
Kamla Singh 515, 6945, 9072, 9074
Kammereck, R. 2634
Kamo, O. 637
Kampf, A. 8155
Kamura, K. 8016, 8084
Kan, C. 9169
Kan, M. 8864
Kan, S. K. 9168
Kan-Fan, C. 9168
Kanaganathan, S. 9400
Kanakaraj, P. 1421
Kanamaru, F. 2426
Kanamori, T. 6731
Kanazirska, V. 966, 1534
Kanbara, T. 3046
Kandalkar, H. G. 8197
Kandasamy, C. 4649
Kandeal, M. M. H. 800
Kandiah, S. 8349, 9400
Kane, M. E. 7890
Kaneda, N. 3097
Kaneko, K. 3165, 3722, 9156
Kaneko, M. 2146, 2453, 4190
Kaneria, B. B. 1058
Kang, C. K. 2151
Kang, G. J. 8047
Kang, H. 4984
Kang, M. S. 5001, 9381
Kang, S. D. 7274
Kang, S. K. 4813
Kang, S. S. 1160, 1731
Kangiden, D. I. 6301
Kangina, I. B. 4768
Kanias, G. D. 6232
Kaniuga, Z. 6596
Kanjanapothi, D. 1186, 1698
Kannan, N. 6303
Kano, Y. 3070
Kansal, B. D. 4842
Kan'shina, M. V. 1316
Kanters, F. 6613
Kantorowicz-Bąk, M. 2726
Kantz, D. 4641
Kanungo, P. D. 1765
Kanwar, J. S. 5314, 8695
Kanwar, K. 400
Kanwar, S. M. 3912
Kao, M. M. 4594
Kaouadji, M. 4994, 8076, 9090
Kapadia, M. N. 2515, 9339
Kapanadze, I. S. 6316
Kapetanidis, I. 3093
Kapil, R. S. 542, 3715
Kaplankıran, M. 644-645, 5271, 9245
Kapoor, A. 3820
Kapoor, P. 6765
Kapoor, V. K. 3809
Kappel, F. 5505
Kapros, J. 7665
Kapur, R. 6328
Kar, P. L. 2012, 8521, 8578, 8580
Karabi Datta 8096
Karaca, İ. 7773
Karaçalı, İ. 8516
Karácsonyi, Z. 7155
Karadge, B. A. 344, 6827
Karai, J. 8438
Karamanos, R. E. 7632

Karan, D. 1500
Karanov, E. N. 1460
Karanova, S. L. 8120
Karapetyan, N. V. 4254
Karara, H. A. 3946
Karasawa, H. 2363
Karatela, Y. Y. 2336
Karavaev, V. A. 926, 2134
Karawya, M. S. 2339
Karg, W. 8423
Karibasappa, G. S. 7333
Kariev, B. A. 7277
Karikari, S. K. 3478
Karikas, G. A. 547
Karim, A. 6189
Karim, A. M. A. 7781
Karim, M. A. 7740
Karim, S. 1080
Karimov, Kh. K. 1725
Karizumi, N. 727
Karkara, B. K. 1945, 8479, 8481
Karlsson, M. G. 1574, 2229, 5991
Karlsson, T. 6517
Karmakar, P. G. 9038
Karnachuk, R. A. 1585
Karne, A. V. 344
Karnikova, L. D. 6412
Karnok, K. J. 5050
Karpiscak, M. M. 247
Karryev, M. O. 8026
Karssen, C. M. 347, 1527, 4867-4868, 6748
Kartashova, I. A. 1463
Kartha, K. K. 3915, 5359
Kartnig, T. 3744
Karunanayake, E. H. 2399-2400
Karunaratne, S. 689
Karunaratne, V. 3779
Karychev, K. G. 1933
Kasai, R. 6921, 9160
Kase, Y. 1173, 3803
Kasemir, H. 9062
Kashihara, M. 1741
Kashiwada, Y. 6979-6980
Kashyap, A. S. 8458, 8472, 8587-8588
Kashyap, M. M. 5919
Kashyap, N. P. 5845, 8505, 8551-8553
Kashyap, R. 8851
Kashyap, R. K. 4945
Kaşka, N. 7368, 8618
Kasperbauer, M. J. 3494
Kass, D. 5726
Kassim, M. Y. 4330
Kästner, B. 1454
Kastori, R. 7454
Kasumov, F. Yu. 3018-3019, 3662
Kasymov, F. Yu. 6885
Kasymov, Sh. Z. 1106, 3772
Katan, J. 1291, 5733
Katan, T. 5601
Kataoka, J. 3025
Katayama, M. 7659
Katerji, N. 8905
Katinger, H. 7225
Katiyar, R. K. 4601
Katiyar, R. S. 5064
Kato, M. 4875, 5015
Kato, T. 1413
Kato, Y. 3980
Katoh, K. 5925
Katoh, M. 9117
Katoh, S. 4127, 4853
Katsarova, S. 92
Katsuki, T. 2353, 3730
Katsukura, Y. 2363
Katsuno, T. 2987
Katsuoka, T. 1759
Katz, A. 536
Katz, P. M. 2509
Katz, S. 3167
Kaufman, L. S. 931
Kaufmann, H. G. 5954
Kaul, A. 1704
Kaul, J. L. 3976
Kaul, M. K. 6961
Kaundal, G. S. 8560, 8589
Kaur, S. 1462, 7491
Kavadia, V. S. 7481, 8754
Kawai, M. 1759
Kawai, Y. 5398
Kawakami, N. 4886
Kawakami, Y. 5161
Kawakishi, S. 3785, 5244, 6212
Kawale, G. B. 5382
Kawamata, T. 6391
Kawamura, N. 352
Kawamura, S. 9407
Kawano, N. 2340, 4498, 4529
Kawasaki, M. 1680, 3109, 9190, 9203
Kawasaki, T. 1143, 3735, 8063
Kawashima, N. 6395
Kawashima, Y. 2411
Kawata, J. 1563, 1577, 7358
Kawata, Y. 2302
Kay, J. E. 681
Kaya, N. 5163
Kayanage, C. W. 3893
Kayange, C. W. 718, 7105
Kaye, G. C. 6371
Kaynaş, K. 8513, 8692
Kazak, E. V. 2652
Kazak, F. L. 4708
Kazakov, A. L. 3727, 9151
Kazakova, L. M. 1344, 2686
Kazakova, N. V. 839
Kazakova, V. S. 1463
Kazametova, Kh. M. 1925
Kazaryan, A. G. 4456
Kazas, A. N. 8224
Kazi, T. 694
K"drev, T. 306
Kean, D. 2137
Kechakmadze, M. S. 1795
Keck, M. 8643
Kecskeméti, L. 3474, 3497
Kedong, Y. 6227
Kedršt, L. 5475
Keegstra, K. 4251, 8706
Keen, B. J. 3291
Keenan, P. E. 6838
Keever, G. J. 1041
Keijzer, C. J. 5042
Keijzer, P. 6815, 8984
Keil, D. J. 7825
Keipert, K. 57, 1940
Kekelidze, N. A. 3016
Keli, J. Z. 9377
Keller, E. R. 8790
Keller, F. 5929
Keller, G. L. 4981, 7806
Keller, J. 91
Keller, J. D. 2661
Keller, W. A. 3915
Kellerhals, M. 1965, 3235, 4672, 6426
Kelley, B. D. 4469
Kelley, C. G. 1138
Kelley, C. J. 1129, 9113
Kelly, G. 7602
Kelly, J. W. 3001, 6011
Kelly, M. O. 7192
Kelly, P. 3420
Kelman, Y. 5794
Kemertelidze, É. P. 1184, 8036
Kemmer, A. 7125
Kemmler, G. 8421
Kemp, H. A. 5359
Kempczyńska, D. 5013
Kende, H. 3508, 5777
Keng, H. 9024
Keng, J. 919
Kenne, L. 1711
Kenneth, R. G. 4357
Kenney, P. 4602
Kenya, Coffee Research Foundation 8266
Kenya Coffee 1833-1834
Keong, W. C. 6314
Kepenek, K. 8513
Kępka, A. 7490
Keppel, H. 3954
Kerbel, E. L. 643
Kerenga, K. 1088-1089
Kerimov, S. Sh. 3080
Kerimov, T. M. 926
Kerler, F. 4654, 4658
Kermasha, S. 707, 4604
Kerni, P. N. 699
Kertész-Dobos, É. 3816
Kertész-Lebovics, V. 2184
Kéry, Á. 3711
Keşik, T. 4042
Kesner, C. D. 3269
Kester, W. N. M. van 367
Ketchersid, M. L. 7595
Ketchie, D. O. 52, 2634, 3967-3968
Ketsa, S. 3846, 6754
Ketterer, N. 5598
Kettrup, A. 6668, 8426
Keulemans, J. 6508
Keulen, H. A. van 6815
Keya, S. O. 1487
Keyer, R. 1138
Keys, A. J. 4227
Khachetlova, L. V. 5504
Khachik, F. 3388, 3919
Khader, A. 7068
Khader, K. B. A. 3875
Khader, M. A. 7949
Khader, S. E. S. A. 5320, 7083, 8292
Khafagy, S. M. 5162
Khaire, V. A. 7479, 8718, 8739
Khairetdinov, S. S. 4119
Khaisin, M. F. 5630
Khaitov, I. Kh. 9121
Khajuria, A. 1704
Khajuria, D. R. 8497
Khajuria, H. N. 4731, 8532
Khalaburdin, A. P. 6037
Khalafalla, M. S. 3121
Khalid, R. M. 3039
Khalid, S. A. 6163
Khalifa, A. S. 2527-2529
Khalil, A. A. 9196
Khalil, F. A. 2536, 2542
Khalil, M. 9278
Khalilov, M. A. 1213, 1819
Khalin, G. A. 3984
Khallaeva, S. N. 1357
Khamas, Z. A. 314, 5895
Khan, A. H. 4155
Khan, A. Q. 2367, 3758
Khan, H. H. 3875, 4577
Khan, I. 3149
Khan, K. A. 3088
Khan, M. I. 6698
Khan, M. N. 9318
Khan, M. R. 2381, 6191
Khan, M. T. 2155
Khan, M. T. J. 6176
Khan, M. W. 4968
Khan, N. 3884
Khan, P. 7781
Khan, S. A. 6908, 9180
Khan, S. U. 4116
Khan, V. A. 3673
Khandieva, N. V. 8118
Khanduri, C. H. 4983
Khanin, V. F. 7340
Khanina, N. P. 2635, 8511
Khanna, K. 5002, 5031, 6807, 7855
Khara, H. S. 5842
Khare, M. P. 1172
Khare, N. K. 1172
Kharebava, L. G. 3853
Kharitonov, Yu. D. 1659
Kharitonova, L. A. 3318, 4430
Khar'kova, A. 4284
Khasapetyan, R. T. 5588
Khasaya, G. S. 6316
Khateeb, T. A. 2427
Khatri, L. M. 9411
Khattak, S. G. 3033
Khaustovich, I. P. 4692
Khawaja, H. I. T. 6013
Khayat, E. 1046, 2247
Khazhakyan, Kh. K. 4449, 6136
Khera, A. P. 4582-4583
Khera, K. L. 9388
Kheshem, S. A. 7783
Khetwal, K. S. 3767, 4519, 5188, 5213, 6992, 9161, 9213
Khitron, Ya. I. 5614
Khodzhaev, B. U. 3731
Khodzhaeva, R. Z. 6258
Khodzhimatov, K. Kh. 1725
Khodzhimatov, M. 4496
Khokhar, M. Y. 9201
Khokhar, U. U. 8578, 8580
Khokhlova, V. A. 1481
Khokhrin, A. V. 2703, 2746
Kholod, N. A. 4783
Kholoptseva, N. P. 6206
Kholzineva, L. A. 1109
Khoo, K. C. 8301
Khor, H. T. 8834
Khort, T. P. 6138
Khosruashvili, A. I. 1874
Khozainova, N. V. 1769
Khrenova, V. V. 2149
Khrianin, V. N. 3909
Khristo, A. A. 1295
Khristov, K. D. 3344
Khristov, L. 4040
Khrolikova, A. Kh. 2621, 2701
Khryanin, V. N. 3909
Khudyakova, E. M. 929
Khudyakova, O. A. 182
Khuhro, R. D. 7084
Khunachak, A. 1517
Khurana, S. C. 7474, 8852
Khurdiya, D. S. 7110
Khurkhunaishvili, O. P. 3842
Khuroo, M. A. 6884
Khurtsidze, A. L. 6250
Khusainov, M. B. 4915
Khusami, K. 2752
Khushbaktova, Z. A. 2338
Kida, K. 2417
Kido, S. 7564, 8734
Kiehn, F. 7986
Kiehn, F. A. 5661
Kieleczawa, J. 4924
Kieliszewska-Rokicka, B. 6748
Kiew, R. 5156
Kiewitt, I. 4460
Kiho, T. 2349
Kijjoa, A. 6976
Kijne, J. W. 928, 2873
Kikani, K. P. 9339
Kiku, T. 9260
Kikuchi, T. 2302, 2448, 3109, 3657, 9155, 9174
Kikuta, S. 8109, 9206
Kikuzaki, H. 3685
Kilany, A. S. 2068, 4811
Kilany, O. A. 4730, 4811, 5307
Kilifarska, M. 1260
Kim, B. S. 5847
Kim, B. W. 7811-7813
Kim, C. C. 3245
Kim, C. K. 596
Kim, C. S. 5044-5045
Kim, H. J. 8074
Kim, H. K. 7717
Kim, H. L. 5196
Kim, I. S. 7336
Kim, J. 2172
Kim, J. B. 5507
Kim, J. H. 3248, 5507, 8060
Kim, J. K. 4698, 5454
Kim, J. S. 5038
Kim, K. D. 7811-7813
Kim, K. S. 6045, 7029
Kim, K. W. 5001
Kim, K. Y. 4698, 5454
Kim, S. B. 3248, 4698, 4813, 5454, 5510
Kim, S. H. 2457, 3755
Kim, S. I. 8087
Kim, S. K. 4204, 5270, 5352, 7108
Kim, W. B. 4838
Kim, W. C. 5507
Kim, W. S. 3343, 4806, 5608
Kim, Y. J. 6058
Kim, Y. R. 3542, 5631
Kim, Y. S. 5507

Kimati, H. 4223
Kimball, B. A. 8668
Kimes, D. S. 8392
Kimpe, N. de 1687, 2446
Kimura, O. 5862
Kimura, Y. 1212, 3050
Kinbacher, E. J. 2246, 7889
Kindelan, A. 3113
Kinderen, G. van der 3605
King, A. I. 4301
King, G. A. 4275, 5499
King, J. R. 4535, 8425
King, K. 22, 9361
King, R. D. 1516
King, R. W. 387, 7844
Kinghorn, A. D. 4488, 8005, 9114
Kingston, C. 1365, 2029
Kingston, C. M. 3306
Kinjo, J. E. 5216
Kinkladze, R. K. 1196
Kintsurashvili, L. G. 3114
Kintya, P. K. 3726, 6159, 6917, 7715
Kintzinger, J. P. 6908
Kiplagat, J. K. B. 5617
Kipnis, T. 5534
Kir, S. 3760
Kirchner, L. 2248
Kirchoff, B. K. 1822
Kirillov, A. F. 7376, 7393
Kirillova, N. V. 6220
Kirilov, B. 8446
Kirişçi, V. 4547
Kirkby, E. A. 5399
Kirpal Singh 2323
Kirshin, I. K. 5048
Kiruchi, T. 3752
Kiryakov, H. G. 5195
Kiseleva, T. L. 1647, 3745
Kishan Singh 6331, 6340, 9386
Kishi, M. 9203
Kishimba, M. A. 2381, 6191
Kishino, K. 4024
Kishore, D. K. 4799, 8463-8464
Kislyakova, T. E. 3538
Kislyuk, N. I. 7880
Kiso, Y. 1697, 2368
Kiss, L. 7196
Kitagawa, C. 2453
Kitajima, A. 2987
Kitajima, E. W. 1818
Kitanov, G. 1729, 1740
Kitanov, G. M. 4497, 6959, 9164
Kitto, S. L. 2299, 4443
Kiuchi, F. 1743, 2345
Kiyohara, H. 2425
Kiyosawa, S. 2351, 3671
Kjellbom, P. 1434
Klapwijk, D. 248, 1573, 4285, 5979, 6702, 6722, 7745, 7747, 8906
Klassen, P. 5420, 7445
Kleczkowski, L. A. 2810, 7504
Kleier, D. A. 8780
Kleiman, R. 9057
Klein, B. P. 8804
Klein, I. 49, 2492, 5498, 7434, 8164
Klein, J. D. 780, 3858
Klein, L. 5794
Klein, M. 1643
Klein, R. M. 4688
Klemeyer, H. 5111
Kleppinger-Sparace, K. F. 7695
Klerx, J. P. A. M. 3053
Kličová, Š. 278
Kliewer, W. M. 6553
Klimenko, N. I. 4807
Klimenko, Z. K. 1638
Klimov, V. V. 5812
Klimpl, B. 5411
Kling, G. J. 492, 1038, 4426
Klingauf, F. 1660, 9093
Klochko, N. N. 741, 4006
Klochko, P. V. 4678
Klocke, J. A. 9085
Klokonos, N. P. 2714
Kloppstech, K. 6693
Kloutvor, J. 1975
Kloutvorová, L. 1951
Klug, B. A. 7197-7198, 8444
Klug, D. R. 5816, 5819
Klug, K. 572
Kluge, M. 2256, 6828
Kluson, R. 4210
Kmiecik, W. 2655, 4148
Knab, W. 7125
Knaff, D. B. 8836
Knaflewski, M. 7703
Knapp, A. K. 3221
Knee, M. 111, 4700, 5473
Knegt, E. 2926
Kneifl, V. 1301
Knerr, L. D. 5720
Knewitz, H. 6855
Knežević, M. 262
Knight, R. J. 4535
Knight, R. J., Jr. 9302
Knight, S. L. 2103, 7522
Knobloch, E. 7451
Knobloch, K. 2319, 2793
Knoop, B. 5359
Knorr, D. 4448, 4531
Knott, C. 7675
Knott, C. M. 5793
Knowles, J. W. 2684
Knowles, N. R. 215
Knox, G. W. 6114
Knuth, D. 3979
Knyazev, A. N. 5483
Knyazhetskaya, L. S. 5782
Ko, K. C. 3343, 4739, 4806, 5608
Ko, K. D. 5270
Kobaliya, O. A. 1238, 3898
Kobayashi, H. 2365
Kobayashi, K. 6746
Kobayashi, M. 552, 3722, 3934, 5203, 7865, 8431
Kobayashi, R. S. 1006
Kobayashi, T. 2411
Kobayashi, Y. 1141, 8116
Koblet, W. 173, 2066
Kobold, U. 513, 1660, 9089
Kobryń, J. 211-212, 227, 241
Kobzar', A. Ya. 3811
Kobzos, I. 3958
Koch, H. J. 2653
Koch, K. E. 1193, 3142
Koch, M. 1770
Koch, U. 5927
Kochan, W. J. 7783
Kochanov, E. M. 2614
Kochba, M. 3568
Kochetov, A. I. 712
Kochneva, V. N. 2787
Kochubei, S. M. 4923
Köck, O. 3654
Kock, V. A. de 1342
Koda, Y. 8673
Kodama, H. 3205
Kodama, S. 3671
Kodryan, V. S. 7378
Kodýtek, K. 2992
Koehorst, H. J. J. 5973
Koehorst-van Putten, H. J. J. 5980
Koen, T. B. 2626, 2640-2641
Koen, T. J. 2473, 8418, 9346
Koes, R. E. 2212, 3552, 7846
Koev, K. 2753, 2756, 7377
Koezuka, Y. 9199
Koffi, Y. 3119
Koga, K. 1672, 6107
Koga, S. 1732
Koganezawa, H. 6446
Koh, G. C. 3560
Kőhalmi, I. 7386
Kőhalmi, M. 7416
Kohama, M. 9023
Kohda, H. 554
Köhler, J. 7104
Kohli, R. R. 5328, 7082
Kohli, U. K. 7706
Köhne, J. S. 2471
Kohno, Y. 265
Koike, H. 7223
Koike, K. 1760, 2415
Kokkov, N. T. 1878
Kok, L. J. de 6593
Kokaya, Ts. D. 8169
Kokkalou, E. 3678, 3689, 7990
Kokkini, S. 7983-7985
Kokura, H. 9407
Kolb, W. 986
Kolbadipour, S. 5132
Kolbowski, J. 1427
Kolesnichenko, G. N. 972
Kolesnik, A. A. 1213
Kolesnik, L. I. 867
Kolev, K. 8495
Kolev, V. M. 8778
Kolhe, D. S. 7479, 8739
Koller, A. L. 7906
Kołodziejczak, P. 8598
Kolokol'nikova, L. E. 2712
Kołota, E. 2828, 4843, 4966, 5102, 5722
Koloteva, N. I. 7288
Kolov, O. V. 7330
Kolupaeva, L. I. 776
Komaitis, M. E. 3783
Komakid, K. 2440
Komamine, A. 2413-2414, 5359
Komanich, I. G. 7331
Komarova, V. P. 766
Komarova, Yu. M. 7650
Komatsu, S. 3872
Komiszar, L. 7912
Komitov, R. 8534
Komiyama, K. 1608, 8050
Komizerko, E. I. 4911
Komochi, S. 8689
Komolafe, O. O. 6918
Komor, E. 1235, 7104
Komori, T. 5218
Komov, V. P. 6220
Komura, H. 1672, 2324
Komurdzhieva, M. A. 8226
Konagamitsu, Y. 8428
Konarlı, O. 8513
Konarski, H. 3402
Kondakov, I. 1260
Kondarev, M. 8632
Kondo, K. 2345, 6075-6076, 7921
Kondo, N. 3429, 6643, 8436-8437
Kondo, S. 5460
Kondo, T. 1615
Kondoh, H. 2437
Kondrashov, V. T. 2047
Kondrashov, V. V. 7782
Kondratenko, T. E. 5430
Kondrat'ev, V. G. 3043
Kondrat'eva, G. V. 1280
Kone-Bamba, D. 1086
Kong, Y. 5840
Kong, Y. C. 593, 1748, 8115
Koning, A. N. M. de 7162, 7784
Konings, A. W. T. 1130
Konishi, T. 2351, 3671
Konjević, R. 3647
Konno, C. 2393, 4484, 9176
Konno, H. 5925
Konoshima, M. 3070
Konoshima, T. 8064
Konovalov, V. T. 2614
Konovalova, O. A. 4478
Konrad, P. 4104
Kontridze, A. N. 3900
Konys, E. 7703
Koo, R. C. 3133
Koo, R. C. J. 3140
Kooner, K. S. 8690
Koopowitz, H. 9014
Koops, A. J. 1783
Kopanski, L. 6963
Kopcińska, J. 4250
Kopec, D. M. 1613, 2964, 4383, 6038
Kopec, K. 7460
Kopecký, J. 521
Kopelvich, V. M. 8903
Kopnova, S. I. 1408
Kopperud, C. 8971
Kopplin, M. J. 7614
Kopylova, V. N. 8070
Kopytchuk, V. N. 6638
Koranski, D. S. 482
Korcak, R. F. 66, 3961, 5463, 5547
Kordan, H. A. 341
Koren'kov, V. D. 4249
Koriesh, E. M. 5088, 5130
Korin, E. 4636
Kornatskii, S. P. 4677
Kornecki, T. s. 78
Korneva, N. I. 2027
Kornienko, A. S. 867
Kornya, E. I. 4722
Kornyushenko, G. A. 7692
Korobov, V. I. 2275
Koroleva, E. F. 2704
Koroleva, L. F. 6206
Koroma, E. Y. 7203
Koron, D. 2031
Kőrös-Balogh, S. 8742
Korotaevskaya, N. A. 5669
Korotkov, N. I. 7346
Korovina, O. N. 5361
Korsuize, C. A. 8975
Kösal, G. 5694
Kosareva, I. A. 6747
Kosareva, O. N. 3613
Kosasih 9366
Koshelev, V. K. 1319, 2686
Kosheleva, R. V. 3956
Koshihara, Y. 8028, 9156
Koshijima, T. 7564, 8734
Koshino, K. 1744
Koshioka, M. 279, 5926, 9282
Koshy, P. K. 6853
Kosina, J. 2656
Kosobrukhov, A. A. 7609
Kosova, A. I. 1408
Kosovel, V. 6157
Kossowski, M. 297-298, 7808
Kostadinov, I. 8936
Kostadinov, Y. 8936
Košťálová, D. 1692
Kostechko, N. I. 317
Koster, A. T. J. 2955, 2958, 6027, 6031
Kostewicz, S. R. 4770
Kostinskaya, L. I. 1213, 1819
Kostroma, G. F. 317, 7579
Kostusiak, A. 827
Kostyrko, D. R. 5083
Kostyuchek, M. N. 1044
Kosykh, S. A. 3986, 3991, 7326
Koszanski, Z. K. 7572
Kothandaraman, G. V. 3890
Kothari, S. K. 9072, 9074
Kotovskii, B. K. 6218
Kotsilo, N. I. 2007
Kotterman, T. G. J. 5974
Kotur, S. C. 5272
Kotzé, J. M. 2476-2477
Kotzé, W. A. G. 5522
Kouao, D. 1086
Kouchkovsky, F. de 5674
Kouchkovsky, G. de 8714
Kouchkovsky, Y. de 8714
Kough, J. L. 1416
Koul, A. K. 2416
Koul, K. K. 6863
Koul, S. K. 1757
Kounev, M. 99
Kouno, I. 2340, 4498, 4529
Koupil, S. 8473
Kouřil, M. 4918
Kovachev, V. 3333
Kovács, P. 1756, 8090
Kovács-Gyenes, M. 3521, 3523, 3530
Kovadlo, L. S. 5787
Koval', N. M. 3335
Kovalenko, G. K. 752
Kovalev, I. P. 3753
Kovalev, V. N. 1112
Kovaleva, L. V. 1582
Kovaleva, S. N. 4523
Koval'skaya, I. M. 2787
Kovanci, I. 652
Kovar, K. A. 1075

Kovoor, A. 689
Kowalenko, C. G. 233-234
Kowalik, P. 5440
Kowalski, Z. 5385
Kozaki, I. 44, 2690, 3162-3163, 6276
Kozawa, M. 1124, 3023, 3050, 3075
Kozera, G. 7343
Kozhevnikov, A. P. 832, 2746, 3321, 4786, 7371
Kozhokar', V. A. 1378, 1397
Kozhokaru, V. A. 5609
Kozlowski, T. T. 1827, 3170
Kozma, P. 2081, 7386, 7413
Koz'mik, R. A. 7376
Kozono, T. 2671
Kozubek, A. 4924
Kozuka, M. 8064
Kra, E. 8846
Kraak, H. L. 4863
Kraft, J. M. 5797
Krajewska, A. M. 309
Král, J. 9077
Kralev, K. 8632
Králík, J. 4424, 4429
Králová, M. 4873
Kramarchuk, F. M. 5590
Kramarcxyk, W. 5440
Kramell, R. 3430
Kramer, S. 5856
Kramm M., V. 5746
Krans, J. V. 1612, 3577
Krarup H., A. 259, 3467-3468
Krarup L., J. P. 3467-3468
Krasnova, N. A. 850
Krasovskaya, N. A. 6141
Krassner, S. M. 3702
Kraus, D. 7370
Kraus, W. 4467
Krause, G. H. 982
Krause, M. 4803
Krauss, M. R. 6757
Kravchenko, L. K. 2748
Kravchenko, V. I. 1244
Kravets, S. D. 3364, 6910, 8020
Kravjar, J. 945
Kravtsova, T. A. 95
Kraxner, U. 6630
Krebs, O. 1616
Krebs, S. L. 1367
Kreij, C. de 9000
Kreis, W. 8052
Kreiter, S. 8644
Kreknin, N. Ya. 2744
Krekнina, L. I. 2744
Kremer-Köhne, S. 2471
Krendeleva, T. E. 1509
Krentos, V. D. 651
Kresovich, S. 8326
Kretchman, D. W. 2162
Kreuz, C. L. 3258
Kriedemann, P. E. 1803, 7028
Krijger, D. 2956, 8980
Krikorian, A. D. 6284-6285
Krikun, J. 5856
Krisek, D. T. 6778
Krishna Chandra 8048
Krishna Moorthy, P. N. 5866
Krishnaiah, J. 1355, 7064
Krishnakumar, N. K. 2147, 6632
Krishnamoorthy, A. 1798
Krishnamoorthy, K. K. 2570-2571
Krishnan Nampoothiri, V. M. 7055
Krishnapillai, S. 8356
Krishnaprasad, P. R. 1864, 8333
Kristensen, L. N. 7850
Kristiansen, K. 6008
Kristie, D. N. 1062
Kristóf, L. 7727
Kritsōtakēs, G. K. 2735
Krivchenko, V. I. 5706
Kriventsov, V. I. 3989
Krivileva, N. I. 2170
Krivolutskaya, M. A. 2096
Krivoruchko, V. P. 1923-1924
Kříž, J. 6887
Krizek, B. A. 2001
Krizek, D. T. 265, 343, 3594, 7624
Krizus, A. 5571
Kroeger, M. W. 7229
Krol, A. R. van der 7846
Kroll, T. K. 4878
Kromat, H. 5551
Krömer, S. 7680
Kronenberg, H. G. 6431
Kropff, M. J. 3425
Kropp, K. A. 132
Kroszczynski, W. 2194
Krucká, M. 166
Kruczkowska, H. 4372
Krueger, A. R. 8751
Krug, H. 5393, 6384
Krüger, D. 6193
Kruglov, N. M. 1288
Kruglyakov, A. V. 5881
Kruistum, G. van 6610, 6612
Krümmel, D. 5417
Krumova, Z. T. 8907
Krupa, Z. 243
Krupenko, A. N. 935
Krutz, G. W. 371
Krylov, O. N. 1465
Krylova, I. I. 5457
Krylova, T. I. 5741
Krzaczek, W. 2996
Krzewińska, D. 827
Ktitorov, N. G. 7575
Ku, C. C. 4652
Ku, J. H. 7624
Kubaláková, M. 7664
Kubečka, D. 5586
Kubeczka, K. H. 1884
Kubik, M. 6510
Kubler, H. 7150
Kubo, I. 3872, 6239
Kubo, M. 1090, 3730, 3742
Kuboi, T. 4100
Kubomura, Y. 1751
Kubota, I. 5925
Kucheneva, G. G. 4408
Kucher, G. M. 849
Kucherova, S. V. 4685
Kucherova, T. P. 3990
Kuchni, N. P. 1725
Kudakasseril, G. J. 548
Kudrev, T. 7767
Kudritskaya, S. E. 3784
Kudryashov, Yu. S. 2839
Kudryavets, R. P. 3243
Kudryavkin, V. S. 8511
Kuehlbrandt, W. 5820
Kuhlbrandt, W. 6601
Kuhn, M. 8700
Kühnl, T. 5927
Kuijt, J. 6307
Kuik, J. A. van 2126
Kuimov, V. N. 2047
Kuiper, P. J. C. 3967-3968
Kukreja, A. K. 4528, 6974
Kukushkin, A. K. 2134
Kulaeva, O. N. 1510
Kulakkattolickal, A. T. 3122
Kulandaivelu, G. 6825
Kulanthaivel, P. 9213
Kulasekaran, M. 7063, 7089
Kulatunga, S. M. 8357-8358
Kulbir Singh 8476
Kulenkamp, A. Yu. 3152
Kulhari, S. C. 3007
Kuliev, F. A. 6352
Kuliev, K. M. 4436, 7372
Kulig, E. 4924
Kulkarni, D. R. 541
Kulkarni, S. 1764
Kulkarni, V. J. 443, 6312, 8286
Kulshrestha, B. M. 1519
Kulwal, L. V. 1526, 4155, 5636, 7486-7488
Kulygin, A. A. 1037
Kumar, A. 4107, 5297, 6945, 7512, 7707, 9100
Kumar, D. 7955, 8185
Kumar, D. S. 2445
Kumar, H. 6555, 6576, 7381, 8172
Kumar, J. 8557
Kumar, J. C. 286, 8927
Kumar, J. L. 5641
Kumar, K. 1057, 7103
Kumar, K. S. 5835
Kumar, L. 616
Kumar, N. 8842
Kumar, N. K. K. 4278
Kumar, N. S. 3779
Kumar, P. H. 4572
Kumar, P. S. 6199
Kumar, R. 2155, 3814, 5315, 7440, 7861, 8184, 8487
Kumar, R. R. 2570-2571
Kumar, S. 4484, 4738, 7308, 7549, 8514, 8554
Kumar, S. S. 9408
Kumar, T. P. 3010
Kumar, V. 2369, 3752, 5701, 9083, 9264
Kumaresan, K. R. 3890
Kumari, R. 9081
Kumbojkar, M. S. 8009
Kume, Y. 5451
Kumegawa, C. 5020
Kümmel, K. 3940
Kumpan, E. D. 1284
Kumud Kumar 1057
Kumuro, Y. 7573
Kunakh, V. A. 5219
Kundapurkar, A. R. 7955
Kundu, A. B. 1749
Kunesch, N. 527, 3795, 8095
Kunev, M. 99
Kunevich, L. R. 7537
Kung, M. 3771
Kunii, T. 5161
Kunitake, T. 3621
Kuniyuki, H. 7427
Kunneman, W. 3977
Kunwar, R. 7412
Künzle, J. M. 1726
Kuo, C. 8691
Kuo, M. C. 3663-3664
Kuo, S. C. 9118
Kuo, Y. H. 2146
Kuo, Y. J. 4320
Kuo-Huang, L. L. 886
Kuoh, C. S. 3838
Kupchan, S. M. 8030
Kurachi, S. A. H. 3176
Kuraishi, S. 898-900
Kurano, N. 559, 3736
Kurbanova, R. I. 7327
Kurchatova, G. P. 4016
Kurdikeri, C. B. 192
Kurella, G. A. 7905
Kurennoĭ, N. M. 5471
Kurien, T. M. 8240
Kurihara, Y. 3205
Kuriyama, T. 9277
Kurlyanchik, I. A. 1670
Kurmanova, A. V. 781
Kurnaz, Ş. 143
Kurochochi, S. 25
Kuroda, H. 984-985
Kuroiwa, T. 2678
Kuropka, G. 1706
Kuroyanagi, M. 3721, 9053, 9117
Kurozawa, C. 6737
Kurozumi, T. 6395
Kursakova, L. E. 7288
Kurth, H. 1584, 3048
Kurtović, M. 6482-6483
Kuru, C. 8569
Kur'yata, V. G. 7335, 7348
Kurz, W. G. W. 1721-1723, 4482
Kurzmann, P. 1050
Kurzweil, H. 6840
Kusano, G. 5147
Kushal Singh 4082, 5266, 5280, 8565
Kushalappa, A. C. 1486, 1837
Kushnirenko, M. D. 781, 7220
Kusova, R. D. 9151
Kusuno, S. 6656
Kutáček, M. 4932
Kutateladze, V. V. 3016
Kutchan, T. M. 600
Kutina, J. 1906
Kutney, J. P. 6179
Kutschera, U. 2877
Kutubidze, V. V. 1820, 6351
Kutz, L. J. 371
Kuwajima, H. 7047
Kuyama, S. 25
Kuzina, G. V. 6412
Kuz'menko, L. M. 967
Kuz'menko, M. S. 5445
Kuz'mich, N. K. 4444
Kuz'min, G. A. 2636, 8511
Kuznetsov, S. I. 6082
Kuznetsov, V. N. 6056, 6141
Kuznetsova, G. A. 5127, 5226
Kuznetsova, Z. P. 1015, 3565
Kuzovkina, I. N. 6981
Kvachadze, M. M. 3899
Kvist, L. P. 6790
Kwack, B. H. 3567, 5032, 5038-5039
Kwak, S. S. 7620
Kwak, T. S. 8664
Kwakkenbos, A. A. M. 8974, 8979
Kwan, C. M. 7169
Kwang, C. K. 3952
Kwolek, W. F. 4146
Kwon, O. C. 5695
Kwon, O. S. 351
Kwon, O. W. 4681, 4704, 6436
Kwon, W. S. 8085
Kyazimov, I. M. 3019
Kydryashov, Yu. S. 7575
Kyoda, K. 7615
Kyogoku, K. 2437
Kyotani, H. 2671
Kysucká, S. 166
Kyte, L. 5362
Kyuno, S. 1759
La Croix, E. A. S. 2533
La Malfa, G. 6390, 7459
La Messelière, C. de 1079
Laakso, I. 3669, 5109
Labadie, R. P. 3797, 8102
Łabanowska, B. H. 822
Łabanowski, G. S. 5013
Labavitch, J. M. 746-747
Labelle, D. 4638
Laberge, C. 2812
Labergère, M. 87
Laborin N., M. 9237
Labows, J. N. 3873
Lachenaud, P. 686, 6292
Lachica, M. 90, 203, 5521
Lachmansing, S. S. 2396
Lachner, I. 564
Lacy, G. H. 4878
Ladania, M. S. 6573-6574
Ladero Alvarez, M. 6904
Ladygin, V. G. 1502
Ladygina, O. N. 935, 1502
Laemmlen, F. 8755
Lafont, H. 2089
Lafont, R. 2089, 4499
Lagarda, A. 1352
Lagerstedt, H. B. 2017
Lagier, J. 4956, 8879
Lagoke, S. T. 3478
Lagoutte, B. 6595
Laguna, A. 1709, 1779
Laguna, J. C. 871
Lahav, E. 2472, 2474, 5253-5254, 6241, 6287, 7011
Lahloub, M. F. 6995
Lahoz, E. 5671, 7772
Lahr, W. 5775
Lai, C. O. 8328-8329
Lai, F. L. 5326
Lai, J. S. 3838
Laila, A. A. R. 6164
Laimer, M. 7225
Laing, D. R. 8500
Laing, J. E. 8500
Laing, W. A. 5534-5535
Lairon, D. 2089
Lajis, N. H. 5156
Lake, C. T. 3431

Lakhanov, A. P. 4917
Lakhanpal, K. D. 357
Lakhanpal, S. C. 8619
Lakhdar, R. 4620
Lakshmanan, P. 8235
Lakshmann, A. R. 8663
Lakshminarayana, G. 8932, 9221
Lal, B. 3634
Lal, G. 8856
Lal, H. 4540, 6628, 6785
Lal, N. 6974
Lal, O. P. 8865
Lal, S. 4982
Lal, S. D. 2202, 2228
Lal, V. K. 8081
Lalitha, R. 2309
Lalitha Anand 1799
Lalonde, L. 5789
Lam, L. 548
Lamaison, J. L. 3680-3681
Lamanova, T. G. 1601
Lamaty, G. 7967
Lambardi, M. 2763, 7384
Lambdin, P. 3416
Lambe, C. A. 6928
Lambein, F. 2146
Lambert, A. M. 7876
Lambert, N. S. 8271
Lamberti, F. 5976, 6582
Lambrechts, D. 4489
Lambrev, S. 3412
Lamela, M. 8041
Lamikanra, O. 3349, 7436
Lamont, G. 3536
Lamont, G. P. 6072
Lamont, W. J. 5714
Lamparadze, Sh. S. 2511
Lampeter, W. 191
Lancas, F. 6261
Lancashire, B. 8388
Lancaster, D. M. 8535
Lancaster, J. E. 195, 197
Lanckow, J. 3395, 3488
Lander, V. 4023
Landré, P. 277
Lane, W. D. 1272, 1283
Lanet, J. 1179, 6233
Laneville, A. 3660
Lang, A. 167
Lang, G. A. 1901
Lang, H. J. 2939, 4391
Lang, R. C. 384
Lange, A. H. 322, 742
Lange, E. 6460
Lange, G. L. 1161, 8091, 9185
Lange, K. 1648
Lange, O. L. 1049
Langelüddeke, P. 7451, 7936
Langelueddeke, P. 7066
Langford, P. J. 2276
Langhans, R. W. 7519
Langhe, J. E. de 3603
Langton, F. A. 1575, 3534
Lanini, W. T. 7755
Lannoye, R. 1190, 7075
Lánský, M. 1301
Lanza, J. P. 1179, 6233
Lanzagorta, J. M. A. 8687
Lanzelotti, J. J. 796, 1995
Lanzetta, R. 1150, 5046
Lanzoni, L. 6585
Laosuwan, P. 8313
Lapchik, V. F. 1146
Lapinjoki, S. 3065
Lapitskaya, L. S. 4341
Laprévote, O. 9219
Laptev, A. A. 7880
Laptev, V. N. 892
Lapteva, T. I. 2167
Lara, S. P. 1788
Larcher, W. 1001-1002
Lareau, M. J. 3254, 8606
Largeau, C. 639
Larin, M. F. 6972, 9194
Larqué-Saavedra, A. 5256
Larrigaudière, C. 2028
Larsen, F. E. 1976
Larsen, G. 7891
Larsen, J. 1444, 7795
Larsen, M. H. 7493
Larsen, O. N. 1043, 3649
Larsen, R. P. 3269
Larson, K. D. 6488, 8288
Larson, R. A. 409, 6777
Larsson, C. 1434
Larsson, C. M. 2140
Larsson, U. K. 3435
Lartaud, G. 5602
LaRue, J. H. 1336
Larue, P. 284
Lasala, M. 5916
Laskaris, G. 3738
Laskay, G. 5585
Lasry, S. 1179
Lassak, E. V. 5118, 7981
Lassalles, J. P. 2098
Lasslett, Y. 1543
Lastra, O. 203
Laterrot, H. 3487, 4298
Lateur, M. 5424
Latham, W. G. H. 8425
Latimer, J. G. 7541
Lattanzio, V. 4877
Latvian SSR, Akademiya Nauk Latvitskoĭ SSR 5364
Lau, O. L. 779, 4014, 6460, 7269
Laugen, J. 6085
Laughlin, J. C. 2412
Laughlin, W. M. 4102
Laur, P. 7888
Laurich, F. 5742
Laurs, J. J. 2598
Lauterbach, D. 6829
Lauth, W. 2784
Lavaud, J. J. 3324
Lavee, S. 3339, 7434, 8220, 9298
Lavezzi, A. 7401
Lavie, D. 3728, 4992
Laville, J. 3371, 6609
Lavín A., A. 3307
Lavlinskaya, I. M. 4431
Lawal, A. M. 4480
Lawande, K. E. 4902, 5643, 6714, 7557, 8718, 8739
Lawrence, B. M. 509, 3666-3667
Lawrie, J. 5537
Lawson, H. M. 5561
Lawson, L. D. 6211
Lawson, V. F. 5546
Lawton, K. A. 7946
Lay, W. 4019
Lay-Yee, M. 4740
Layne, R. E. C. 7300
Layton, R. G. 9223
Lazan, H. 4167-4168
Lazarev, A. A. 5483
Lazaridis, A. K. 1873
Lázaro, J. J. 1433
Lazurkevich, Z. V. 5219
Lê, C. L. 391, 1931, 3636, 5119
Lê, L. C. 1931
Le, T. 1517
Le Grand, A. 4471
Le Men-Olivier, L. 629, 4524
Le Quesne, P. W. 1129
Le Thi Quyen 626
Lea, P. J. 4336
Leach, C. M. 1914
Leal, P. P. 1855
Leather, G. R. 6529
Lebeda, A. F. 562
Lebedeva, A. I. 1702
Lebedeva, L. A. 890, 5669
Lebedinskiĭ, I. V. 950
Leblanc, P. V. 2039
Leblanc, R. M. 934, 5817
Leblová, S. 5771
Lebreton, P. 739
Lebrun, D. 6110
Lech, W. 88-89
Leckie, R. E. 4635
Ledemé, P. 5963, 5965
Ledent, J. F. 7075
Ledoigt, G. 3369
Ledovskaya, G. P. 4865
Lee, A. T. C. 7016
Lee, B. Y. 7811-7813
Lee, C. H. 808, 2944, 4813
Lee, C. L. 804, 1347, 6084
Lee, C. S. 1867
Lee, C. T. 7712
Lee, C. W. 5028, 9222
Lee, C. Y. 3266, 4093, 4789, 8520
Lee, D. W. 4838
Lee, E. B. 1731
Lee, E. H. 7623-7624
Lee, G. S. 786
Lee, H. C. 8804
Lee, J. 2428
Lee, J. C. 3262, 4681, 4704, 5510, 6436, 8086
Lee, J. M. 1216, 3566, 5446
Lee, J. P. 552
Lee, J. R. 8060
Lee, J. S. 990, 3542, 6058, 6058, 6095
Lee, J. Y. 8704
Lee, K. E. 7336
Lee, K. H. 2151, 6999, 7246, 8031-8032, 9126
Lee, K. K. 4838
Lee, L. S. 8182
Lee, M. 8091
Lee, M. S. 5044
Lee, N. 2286
Lee, R. B. 7934
Lee, S. B. 5587
Lee, S. H. 5075
Lee, S. K. 7274
Lee, S. M. 9085
Lee, S. W. 3566
Lee, U. J. 5507
Lee, W. J. 3226
Lee, Y. B. 5631, 5853
Lee, Y. H. 1031
Lee, Y. K. 5065, 7907
Lee Chao, P. D. 9118
Lee Foo Wah 9362
Leela, D. 4822, 5187
Leener, P. de 6367
Leenhardt, D. 835
Leete, E. 575, 3755
Leeuwen, P. A. S. van 4488
Leeuwen, P. van 2235
Lefebvre, D. D. 942
Lefki, M. A. 4620
Legendre, B. L. 3193
Léger, A. 217, 4862
Legón, C. 970
Legros, M. 3656, 3748
Lehmann, H. 5776
Lehoczki, E. 5585
Leibbrandt, N. B. 7101
Leibee, G. L. 4652
Leike, H. 968
Leinfelder, J. 2969
Leitão, F. A. 6270
Leite Junior, R. P. 8186
Lekunze, J. K. 6712
Lelievre, J. M. 1348
Lelley, J. 4339
Leluk, J. 4900
Lelyveld, G. P. 507
Lemaitre, R. 4774
Lemasson, M. 2851
Lemberovics, É. 3295
Lemoine, J. 108
Lemos, H. G. 1837
Lemstra, W. 1130
Lemus S., G. 795, 3292
Lenartowicz, W. 1370-1371
Lenna, P. Di 5838
Lenting, P. E. 7846
Lento, G. 1538
Lenton, J. R. 6749
Lenz, F. 2689, 3260, 4292, 4941, 8613
León, A. 5422
Leon, I. 2403
León, M. 6342
León, R. de 4904
Leonard, A. T. 2033
Leonchenko, V. G. 2635, 7257, 8511
Leone, A. 5781, 6398
Leone, I. A. 1531
Leong, C. C. 8988, 9043
Leoni, S. 4960, 4967
Leopold, A. C. 8995
Lepock, J. R. 1492
Lepoittevin, J. P. 2385
Leprince, J. P. 8694
Lercari, B. 4374
Lerch, G. 6222
Lérida Acosta 6222
Lerma, C. 3368
Lerner, H. R. 2835
Leshem, B. 4890
Lesińska, E. 7370
Léskovar, M. 3239
Lesnikova, M. Yu. 8510
Lespinasse, Y. 1274, 8468
Lester, G. 4197, 5744
Lester, G. E. 906
Lester, R. 5770
Lester, R. N. 7732
Letham, D. B. 7635
Letouze, R. 4767
Leung, F. W. 4605
Leva, A. 3276
Leva, A. R. 9289
Levav, N. 4641
Levchenko, V. A. 3988
Levi, A. 3160
Levin, D. A. 6015-6016
Levit, H. J. 6402
Levit, T. Kh. 7376
Levitt, L. K. 2868
Levy, A. 4522
Levy, M. 4836
Levy, R. 1626
Levy, S. 2337
Lewak, S. 56, 1955, 8460
Lewis, I. K. 6467
Lewis, J. 224
Leyhe, A. 5611
L'Hermite, P. 7122
Li, A. S. 4486
Li, B. G. 1128
Li, G. G. 6802
Li, H. Y. 1147
Li, J. 3532
Li, J. Z. 2938
Li, L. 8525
Li, L. N. 2185, 3771, 9197
Li, L. Y. 9394
Li, P. H. 4125
Li, Q. H. 1144
Li, S. H. 537
Li, T. 8508
Li, W. W. 2398, 2401, 3034, 3100
Li, X. G. 1572
Li, X. Z. 862
Li, Y. 3533, 5765
Li, Y. F. 3628
Li, Y. J. 3628, 6911
Li, Z. L. 578, 1039, 6084
Li, Z. S. 1497
Li, Z. Y. 591
Lian, H. K. 998
Liang, H. G. 2123
Liang, J. Y. 1174
Liang, W. 3743
Liang, W. Z. 1728, 9141
Liang, X. T. 8112, 9210
Liao, Y. F. 7018
Liao, Z. X. 8397
Libardi, P. L. 912
Libby, H. 8157
Libé, A. 2077, 4727
Libert, B. 3935
Libik, A. 325, 342
Libot, F. 3795
Lichev, V. 99
Lichtensteiger, M. J. 7199, 8917
Lichtenthaler, H. K. 1657
Licina, V. 7422
Lidén, A. C. 2815
Lider, L. A. 4790
Lidster, P. D. 81, 3978, 6460
Liebers, H. 3261
Liebig, H. P. 3920
Liebisch, H. W. 8908
Liefertová, I. 6912
Liepin', O. K. 7172
Lievens, C. 4367

Light, D. M. 4326
Lightner, G. W. 1325, 1522, 5480, 5500, 6634, 8765
Ligocki, P. 6432-6434
Ligon, J. T. 8543
Likhitwitaywuid, K. 1161
Lilien-Kipnis 3568
Lill, R. E. 4275, 5499, 5530
Lill, W. J. 102
Lilley, T. H. 40
Lillo, C. 5681
Lilov, D. 6374
Lilov, D. Ts. 8648
Lim, C. G. 5156
Lim, G. S. 236
Lim, K. H. 1223
Lim, M. A. G. 3420
Lim, S. C. 8301
Lim, T. K. 4575, 5358
Lim, U. K. 8074
Lima, A. 5642
Lima, C. A. S. 696
Lima, H. 6188
Limongelli, F. 4673
Lin, B. L. 2227, 6809
Lin, C. C. 448, 3111, 6833, 9097
Lin, C. H. 804, 808, 857, 1347, 5407
Lin, C. M. 8047
Lin, F. T. 632, 2447, 9162, 9175
Lin, G. 3357
Lin, H. S. 804, 808, 1347
Lin, H. Y. 9118
Lin, L. J. 5194, 8071, 9157
Lin, M. 567
Lin, M. C. 632, 2447, 9162
Lin, M. L. 6288
Lin, M. Y. 9220
Lin, R. C. 1770
Lin, S. 1181, 1776
Lin, T. D. 9118
Lin, W. C. 481
Lin, Y. C. 6920
Lin, Y. L. 2433, 5407
Lin, Z. K. 6872
Linares, E. 3032
Linde, H. J. van der 3881
Linde, P. C. G. van der 3570, 5027, 8977
Lindegren, J. E. 3233
Lindeloof, C. P. J. van de 4056, 7359
Lindemann, J. 4769
Lindgren, J. E. 8453
Lindhagen, M. 7607
Lindholm, T. 735
Lindquist, R. K. 252, 7832
Lindqvist, Y. 6604
Lineberger, R. D. 7847
Ling, L. C. 3296, 4326, 4332
Lingle, S. 5744
Lingle, S. E. 906
Link, H. 3259
Linke, L. 3261
Linsley-Noakes, G. C. 2020
Lint, P. J. A. L. de 32, 1570, 1576, 5390
Liou, S. E. 3408
Lipecki, J. 4042
Lips, S. H. 3449, 8826
Lipton, W. J. 905, 2085
Lisa, L. 7132, 7400
Lisbão, R. S. 4109
Lishchuk, A. I. 3985
Lisiewska, Z. 2655, 2825-2826
Lisishin, A. M. 6523
Lisitsa, L. A. 6515
Lisk, D. J. 4828, 4876
Lisker, N. 5733
Litchenko, N. A. 816
Little, C. R. 1305
Little, S. 1335
Littler, R. A. 7911
Littlewood, M. 7824
Littman, C. B. 4828
Litvak, A. I. 1358
Litvinenko, M. V. 2096
Litvinenko, R. M. 2264
Litvinov, P. I. 8639
Litvinova, N. V. 9112
Litvinova, V. M. 4031
Litz, R. E. 1822, 3915, 6267
Liu, A. 993, 2352, 2422
Liu, C. Q. 710
Liu, C. S. 8304
Liu, D. Y. 1039
Liu, J. K. 807, 9087
Liu, J. S. 9202
Liu, L. C. 4310
Liu, M. F. 6911
Liu, P. S. 557
Liu, P. T. 3522
Liu, Q. 6869
Liu, R. K. 6594
Liu, S. 8045
Liu, S. C. 6235
Liu, S. Q. 947
Liu, W. H. 9394
Liu, X. 567
Liu, X. D. 1065
Liu, Y. 1054
Liu, Y. L. 6955
Liu, Z. T. 7098
Liuni, C. S. 7375
Liverani, A. 1988
Lixandru, G. 6559
Liyanage, M. de S. 690
Lizana, L. A. 2781-2783
Lizotte, P. A. 4395
Ljubešić, N. 5097, 8983
Llabrés, J. M. 2231, 7834
Llanes, R. 749
Llanos, I. 8178
Llinas, J. R. 9069
Lloret, P. G. 5644
Lloyd, C. W. 5928
Lloyd, D. 6096
Lloyd, J. 1803, 7028
Lo, L. H. 2398
Lobachev, A. Ya. 4022
Lobanov, Ê. M. 2044, 3253
Lobareva, T. G. 5850
Lobstein-Guth, A. 487
Lobzhanidze, V. Ê. 5568
Locascio, S. J. 330, 4770
Löcher, F. J. 1390
Locher, M. P. 2953
Locksley, H. 2381
Locksley, L. D. 6191
Lockwood, G. B. 563
Lodge, N. 3302
Lodoli, E. 6534
Loeb, R. E. 6068
Loescher, W. H. 91, 1979, 2661, 3512
Loeser, H. 6000, 7923
Logan, T. J. 7505
Loginova, E. 181
Logvinenko, I. E. 6138
Loh, C. S. 5065, 7907, 9410
Loh, W. H. T. 4608
Lohani, H. 7976
Lohiya, N. K. 3820
Lohmann, G. 6065
Löhnertz, O. 7414
Lohnes, J. P. 6116, 8536
Lohr, V. I. 860
Lohse, D. 4123
Loizides, P. A. 651
Lokesha, S. 9083
Lokeshwar, D. 5855
Loloĭko, A. A. 9158
Lomagno, R. C. 4001
Lomas, J. 2497
Lombard, P. B. 8562
Lomman, G. 5690
Londoño I., J. 2112
Long, A. R. 1267
Long, K. G. 6920
Longley, S. B. 2626, 2640-2641
Longo, C. P. 2847
Longo, G. P. 2847
Lonshakova, K. S. 1701, 1746
Lontsi, D. 1151, 2406, 6213
Loo, E. N. van 2803
Loo, T. 5191
Looman, A. 5145
Looney, N. E. 785
Lopes, E. S. 4580
Lopes, J. F. 5635
Lopes, N. F. 6669
Lopes, V. B. 2854
Lopetegui Careaga, C. 960
López, E. 2564
López, F. 8221
Lopez, G. J. 2908
López, J. A. 9175
López, M. 716, 1233, 2568-2569, 6341
López, M. M. 6418, 6538
López, R. 3173
López, S. 3189
Lopez-Andreu, F. J. 2908
López-Belmonte, F. 6968
López Blanco, M. 5338
López Fernández, E. 3334
López Galarza, S. 7548
López-García, R. E. 1645
López Gorgé, J. 203, 1433
López Jiménez, A. 2465
Lopez-Rivares, P. 797
López-Sáez, J. F. 2093
Lord, E. M. 2230
Lord, J. M. 5408
Lorelle, V. 7426
Lorence, D. 6930
Lorenz, G. 1390
Lorenz, K. 8894
Lorenzi, R. 4696
Lorenzo, G. de 4230
Lorenzo Martín, J. R. 3868, 4566, 8239
Loreti, F. 4733
Lőrincz, A. 2073, 5594
Lorini, I. 3400
Loroch, V. 3909
Lorrain, L. 934
Lörz, H. 3915
Losada, M. 4128
Lotter, H. 8114
Lou, Z. C. 632, 2447, 4491
Loubser, J. T. 4803
Lougheed, E. C. 81, 1300, 1407, 6460
Lougheed, S. C. 5571
Louise, C. 691
Loukis, A. 576, 6232
Loukou, Y. 1142
Lounasmaa, M. 3065, 9123
Loup, C. 1250
Loupassaki, M. 9255
Lourenção, A. L. 5339
Loussert, R. 1815
Lovato, P. E. 4211
Lovatt, C. J. 2488
Lovdal, L. A. 3403
Loveless, R. T. 7239
Lovenstein, H. M. 8135
Loveys, B. R. 3143
Lovino, R. 3323, 7417
Lovkova, M. Ya. 1690
Lowry, S. R. 2246
Loy, J. B. 903
Lozano, R. 2236
Lozano, Y. F. 5261
Lozhnikova, V. N. 2876, 4269
Loznikova, V. 8827
Lozovaya, V. V. 4915
Lozzia, G. C. 8948
Lu, C. B. 1868
Lu, C. F. 9097, 9220
Lu, F. 5515
Lu, J. Y. 364
Lu, Q. 2188
Lu, S. T. 6999
Lu, T. H. 2123
Lu, X. K. 598
Lu, Z. Z. 2393, 9176
Lubbert, F. A. 8137
Lubis, L. 8310
Lubis, S. 9371-9372
Luby, J. 3311
Luby, J. J. 3313, 4039, 5506
Luca, V. de 3064, 4482
Lucas, B. 8480
Lucas, W. J. 7500
Luchkina, T. V. 3761
Luchnik, Z. I. 4417
Luck, R. F. 1797
Luckow, M. A. 7825
Lučnskienė, A. 6069
Ludeke, K. L. 8133
Ludnikova, L. A. 1349
Luer, C. A. 446, 1625, 3604
Lugade, M. R. 2328, 2386
Lugg, D. G. 6505
Lugo-Mercado, H. M. 4182, 7058
Lugt, C. B. 528
Lugtenberg, B. J. J. 928, 2873
Lugtu, T. A. 8157
Luis, J. G. 3800, 6982-6983
Luis Arteaga, M. 291
Luis Panjoa, M. 2332
Lukasevich, I. F. 2390
Łukaszewska, A. 477
Lukaszewski, T. A. 2268
Lukatkin, A. S. 8757
Luken, J. O. 2290
Lukin, E. S. 1321, 2654
Lukkarinen, J. 1269
Lukman 8321
Lukoševičius, A. 2010
Lukovnikova, G. A. 4942
Luk'yanchenko, A. S. 4333
Luk'yanchikov, M. S. 3727, 8070, 9151
Luna, I. 2475
Luna-López, J. 5249
Lune, P. van 7448
Lunieswka, B. 5440
Luo, H. W. 2428-2429
Luo, X. C. 2187
Lupi, R. 5003
Lurie, S. 4712
Lusby, W. R. 4466
Lussignol, M. 6977
Lusting, I. 93
Lutfullin, K. L. 9122
Lutsenko, N. P. 5782
Lutskiĭ, V. I. 1177, 3818, 9194
Lüttge, U. 1619, 1621, 4393, 7904
Lützow, M. 5036
Luz Cardona, M. 2410
Luza, J. G. 4027
Luza-Zamora, J. G. 123
Lužný, J. 3358
Luzzati, A. 4171
L'vova, I. N. 4194
Ly, A. M. 4468
Lyakh, V. A. 2896
Lyashenko, N. I. 3692
Lycaon, B. F. 1320
Lykova, R. V. 3029
Lynch, D. V. 989, 2205-2206
Lynch, D. W. 1492
Lyndon, R. F. 3558, 7676
Lynn, K. R. 1782, 9241
Lyons, R. E. 432, 1591, 7851
Lyr, H. 7785
Lyubinov, V. B. 3613
Lyublinskaya, N. A. 5614
Lyzhenko, I. I. 1510
M., G. D. 7920, 9026
Ma, G. E. 1147
Ma, G. Y. 7260
Ma, W. W. 9150
Maas, E. V. 7723
Maas, F. M. 2803, 6593
Maas, J. L. 2037, 2041
Maaswinkel, R. 3372, 4143, 7516
Maaswinkel, R. H. M. 5662, 7513
Mabberley, D. J. 4609
Mabry, T. J. 6967, 8000, 8067
McArdle, A. J. 1055, 3004
McArdle, R. N. 5898
McArthur, D. A. J. 830, 2734
Macauley, B. J. 2182
McBride, M. B. 267
McCain, A. H. 6115
McCall, D. 7754
McCall, W. W. 4556, 7040
McCallister, D. E. 3559
MacCárthaigh, D. 3617
MacCarthaigh, D. 1630
McCarthy, M. G. 7385
McCarty, L. B. 3581
McCarty, R. E. 3455, 8697

McClean, T. M. 3221
McCloud, T. G. 546
McClurg, C. A. 5898
McColl, J. G. 884
McCollum, T. G. 4196, 6664
McConnell, D. B. 4387
McCool, P. M. 1406
McCormick, R. I. 8749
McCown, B. H. 482
McCoy, C. W. 9262
McCulloch, C. E. 7519
McCurdy, S. N. 9223
McDiarmid, R. E. 6509
Macdonald, F. D. 2084
MacDonald, G. E. 868
MacDonald, J. D. 6097
MacDonald, R. A. 1283
McDonald, R. E. 4053, 7026
McDonough, L. M. 2484
McDowell, J. M. 9042
Macedo, E. de C. 4579
Macedo, N. 9397
Maček, J. 3342
McFadden, J. J. 4655
McFadden, W. 5757
McFadyen, L. M. 102
MacFarlane, J. J. 6683
McFeeters, R. F. 3403
McGlasson, B. W. 7737
McGlasson, W. B. 7738
McGrath, H. J. W. 8228
McGregor, G. R. 130
McGuire, R. G. 8187
Machado, A. da C. 7225
Machado, R. C. R. 8256-8258
McHan, F. 4653
Mcharo, E. Y. 9343
Mchedlidze, M. S. 6348
Macheix, J. J. 3860
Machii, Y. 4024
Machitadze, E. G. 4090
Machold, O. 4916
Machovec, J. 4388
Machytka, D. 3808
Maciel, G. M. 6960
Maciel, M. I. 3873
McIntosh, C. A. 2522
McIntyre, D. 3302
Macioszek, J. A. 3448
Mack, H. J. 4912
McKay, G. 6411
Mackay, W. A. 2299, 4443
McKellar, J. E. 785
McKinlay, R. G. 3315
Macková, A. 2361
Macku, C. 4568
Maclaine Pont, M. A. 5986
McLaughlin, J. L. 9115, 9150
McLean, D. P. B. 5063
McLean, S. 2396
McLellan, K. M. 240
MacLeod, A. J. 3513
MacLeod, G. 3513
McLeod, H. 6041
Macleod, J. K. 5144
McManus, P. 4351
McMeen, D. W. 8138
MacMillan, J. 7690
McMullin, M. 6405
McMurray, W. C. 1907
McMurtry, J. A. 7013
Maconi, E. 6907
Macoveanu, M. M. 636
Macovei, A. 4464
McQuistan, C. I. 2929
McRae, K. B. 81, 239
Macrae, R. 4608
MacRae, W. D. 5160, 5192
McVeigh, K. J. 4382
McWha, J. A. 2144
McWilliams, E. L. 7154
Madaan, T. R. 7110
Madaiah, M. 6698, 8833
Madan, S. P. S. 8685, 8760
Madanoglu, F. K. 2040
Maddox, F. 5414
Madeddu, B. 4960
Mader, S. 7219
Madhava Rao, V. N. 2547
Madhu Porwal, K. 6922
Madhusudanan, K. N. 2560-2561
Madhusudanan, K. P. 3026
Madinelli, C. 4720
Madsen, A. 4908
Madubunyi, I. 8072
Maeda, E. 221, 5695
Maeda, H. 656
Maeda, J. A. 1489
Maeda, M. 2324
Maenaka, H. 6806
Maene, L. J. 3422
Maestri, M. 8277
Maffei, M. 3676, 7982
Mafizul Hoque, M. 1443
Maftoun, M. 7323
Magalhães, J. R. 5699
Magallona, E. D. 4906
Magarey, P. A. 4086, 7328
Magdalita, P. M. 6317
Magee, C. 2791
Mageed, K. J. A. 8177
Magherini, R. 6533-6534
Magliano, V. 4714
Magnani, G. 6382, 6400, 6578, 6811
Magnifico, V. 4826, 4877
Magnini, G. 321
Magno, S. 1083
Magriso, Yu. 2059
Magyarosy, A. C. 8921
Mahabir Singh 8507
Mahabusarakam, W. 1877
Mahadev Singh 8470-8471
Mahajan, R. 5871
Maharaj Narain 1523
Mahato, S. B. 9124
Mahdi, M. Z. 2312
Mahdy, R. M. 4554
Mahendra Singh 2225
Mahey, R. K. 2294-2295, 9070
Mahieux, B. 1180
Mahlberg, P. G. 6177
Mahmood, F. 3149
Mahmood, K. 315, 7577
Mahmood, S. K. 7542
Mahmoud, Z. F. 5234
Mahmud, T. 7743
Mahorkar, V. K. 2070-2071, 3338
Mahotiere, S. 5837
Mahr, D. L. 7947
Mahran, G. 6165
Mahunnah, R. L. A. 3704
Mai, Q. F. 579
Mai, W. F. 4688
Maia, G. A. 1217
Maĭdebura, V. I. 4753, 7349
Maier, S. 4712
Maier, V. P. 6256
Maillard, M. 3024
Maillet, J. 8635
Maillot, A. 1560
Mair, A. G. R. 697
Mairapetyan, S. K. 4453
Maĭrapetyan, S. Kh. 2310
Maĭsuradze, N. I. 3066, 4478
Maithani, G. P. 1649
Maithia, A. S. K. 6305, 8276
Maiti, D. C. 5067
Maiti, R. G. 2237
Maitlen, J. C. 7249
Maitra, C. 7951
Maity, T. K. 7963, 9066
Majak, W. 6509
Majanbu, I. S. 5843
Majoros, L. 1369, 2023
Majumdar, A. 1841
Majumder, P. K. 3182
Majumder, P. L. 2263, 5067, 6837
Makarevich, I. F. 3753
Makarov, A. D. 3799
Makarova, N. V. 4478
Makboul, M. A. 1071
Makeev, A. V. 1509
Makhan'kov, V. V. 9182
Makhija, M. 3135, 9252
Makhmadbekov, S. 3831
Makhmadbekova, L. M. 3831
Maki, T. 1761
Makinde, J. M. 9209
Mäkinen, S. 1056, 2297
Mäkinen, T. 1094
Makosz, E. 5552
Makovec, K. 7993
Makovskaya, A. A. 2619
Makowski, R. M. D. Boyle-7261
Maksimov, A. P. 2264, 6056
Maksymiec, W. 243, 7498
Malá, A. 4388
Malan, K. 1142
Malarme, D. 4633
Malatialy, L. 7501
Malavia, D. D. 1058
Malavolta, E. 4219-4220, 8264
Malaysia, Rubber Research Institute of Malaysia 1891
Maldonado, R. I. 1109
Maldybekova, K. S. 5018
Male, S. 3030
Maleike, R. R. 6848
Malek, L. 943
Malena, T. V. 2747
Malenga, N. E. A. 3895, 4598, 8348
Malepszy, S. 7589
Malfa, G. la 6390, 7459
Malhi, C. S. 1844, 5316
Mali, J. B. 3482
Maliarčiková, V. 1374
Maliga, P. 3915
Malik, C. P. 6699
Malik, K. B. 1865
Malik, M. N. 7577
Malik, M. S. 3683, 9180
Malik, R. S. 6122
Malikov, V. M. 1102, 1106, 3079-3080, 6984
Malin, R. 4122
Malingré, T. M. 1130, 2387
Malini, E. 1828
Malinich, T. J. 7847
Malinovskaya, G. V. 9182
Malinskas, G. G. 7971
Malkiat Singh 8560
Malkin, O. 8139
Malkin, R. 5659, 8836
Mallick, A. S. 7909
Małodobry, A. 88-89
Małodobry, M. 88-89, 7343, 7365
Malogodi, M. H. 4652
Malorgio, F. 311, 4374, 5715
Mal'tseva, A. N. 4785
Malucelli, G. 6450
Malus-Rożman, M. 3342
Malviya, M. K. 7193
Mal'yan, A. N. 870
Malychenko, E. M. 5614
Malyĭ, L. P. 1556
Malysheva, A. G. 4474
Malz, W. 968
Mamaladze, M. N. 8120
Mamedova, M. M. 4447
Mamedova, Z. A. 6210
Mamet, J. R. 8671
Mamet, R. 7140
Mammen, G. 9335
Manabe, A. 1063, 1091
Manabe, T. 184
Manaenkova, N. I. 2723
Manandhar, N. P. 3038
Manankov, M. K. 3346
Manarangi, A. 1198
Manca, M. R. 6616
Mancini, G. 1394, 7429
Mancini, L. 4131, 5917-5918
Mancino, C. F. 3585
Mandal, S. 2431
Mandal, T. K. 4532
Mander, L. N. 387
Mándoki, A. 1412
Mandrajiev, S. 5526
Mandrin, J. F. 1331
Mándy, A. 2262, 7908
Mane, J. D. 3825
Maness, E. P. 2715
Máñez, S. 8101
Manfredi, E. 7132
Mangal, J. L. 7506, 7542
Mangalakumari, C. K. 1666
Mangold, D. 9093
Mangoni, L. 1150
Manickam, T. S. 3890
Manikandan, P. 4577
Manios, V. I. 2735, 2912-2913
Manivel, L. 9406
Mann, J. D. 201
Mann, K. 6001, 6783
Mann, M. S. 5263, 7023, 8548
Mann, S. S. 4082, 5266, 5280, 5513, 8548, 8563, 8565
Mann, W. 3351
Männel, R. 8447
Manning, J. C. 447
Mannini, P. 4892
Mannuel, J. 4695
Manoharan, K. 3747
Manoilov, S. E. 6220
Manoliĭ, A. I. 7881
Manolov, P. B. 5762
Manousis, T. 5288
Manral, K. 3792, 4519
Mansell, R. L. 2522
Mansfield, R. W. 4266, 5818
Mansilla, J. 7465
Mansour, H. 3589
Mansour, K. S. 5772
Mansvelt, E. L. 5467
Mantel, P. 2232
Mantell, S. H. 5029
Mantiger, H. 6425
Mantinger, H. 3236
Mantoptin, A. I. 5471
Manuelyan, Kh. 1545, 3412
Manuil'skiĭ, V. D. 2633
Manurung, A. 9372
Manzoor-i-Khuda, M. 4452, 4521
Mao, X. L. 2192
Maoz, A. 4522
Maqbool, M. 1202
Maqbool, M. A. 8192
Maráczi, L. 370
Marais, W. F. 2693
Maralbaev, A. M. 3066
Marangoni, B. 62
Marani, A. 1784
Marboutie, G. 100
Marcelis, L. F. M. 2993, 5974
Marcelle, R. D. 7238
Marcellin, P. 3263
Marcellos, H. 270
Marcelo Kogan, A. 5584
March, J. F. 7660
Marchenko, M. S. 1933
Marchesi, G. 2088, 6703, 6717
Marchesini, A. 4198
Marchetti, M. 5243
Marchi, A. 5025
Marciniak, K. 3427
Marco, G. di 3451
Marco, J. A. 1064
Marco, S. di 6759
Marcotrigiano, M. 5099
Marcus, L. 3827
Marcussen, J. 444
Marczal, G. 3732
Marder, J. B. 4920, 5811
Mardi, M. O. El 9228
Mareček, F. 755
Mareček, J. 4709
Marekov, N. 3707
Mares, D. 6219
Maresca, A. 4233
Maretzki, A. 1236, 7104
Marfa, O. 4140
Margolles, J. 4952
Marhuenda, E. 519
Marhuenda Requena, E. 1178, 3802
Mari, M. 1307
Mariau, D. 687, 691
Mariee, N. K. 9196
Marigo, G. 1619
Marín, J. A. 3997
Marín, M. L. 8174
Marín, R. 6339
Marin, V. 2053
Marini, R. P. 103

Marini-Bettolo, G. B. 587, 4479
Marinis, G. de 6666
Marinkov, P. 8503
Marino, G. 6485, 7329
Marion, C. 1142
Mariotti, P. 8474
Märki-Fischer, E. 2997-2998
Markó, M. 2223
Markova, T. A. 7782
Marković, B. 262
Markovich, T. 8480
Markovitz, T. 5856
Marks, T. R. 5071
Markus, D. K. 8893
Markwick, N. P. 8501
Marle, M. 6611
Marn, M. 1936
Marner, F. J. 4544
Marocchi, G. 4079, 4778
Marois, J. J. 3341, 6097, 6553
Maroko, J. B. 7073, 9342
Maroto, J. V. 7548
Marousky, F. J. 995
Marpeau, A. 5279
Marquard, R. D. 1912
Marques, I. A. 3448
Marrero, A. 2520-2521
Marro, M. 2022
Marschner, H. 1541, 2129, 5464, 7521
Marsh, D. B. 5679, 7574
Marsh, L. S. 7519
Marshakova, M. I. 8823
Marshall, B. 2600
Marshall, D. E. 1323, 4293, 8523
Marshall, R. C. 1632
Marshaniya, I. I. 8181
Marshavina, Z. V. 4456
Marsili, R. C. A. 796, 799, 7304
Marston, A. 3768, 6893
Márta, K. 2223, 7908
Martelli, P. 1101
Martín, A. 2568-2569
Martin, C. E. 2248, 6052
Martin, D. L. 8991
Martin, F. G. 5725
Martin, G. C. 146, 148, 1336, 1903, 1997, 2043, 4737
Martín, J. D. 1122
Martin, J. M. 1036
Martin, L. W. 5564
Martín, M. L. 3793
Martin, M. T. 2376
Martin, P. J. 505, 1671
Martin, R. 797, 801, 4461, 9079
Martin, S. F. 4551
Martin, W. 5543
Martín Cordero, M. C. 1183
Martin-Prével, P. 6372
Martinec, J. 5771
Martinetti, L. 5023
Martínez, A. 706
Martínez, A. M. 2330
Martínez, G. 5726
Martínez, M. E. 7465
Martínez, V. 5904, 7771
Martinez-Beringola, M. L. 8193
Martínez-Cañadas, M. A. 299-304
Martínez-Cayuela, M. 7054, 9304
Martínez Cortinà, C. 1804
Martínez R., M. 3476-3477
Martínez-Rivera, W. 7058
Martínez-Sánchez, F. 299-304
Martínez V., J. C. 724, 7001
Martínez V., M. 9177
Martino, V. 1131
Martinoli, L. 3072
Martins, M. C. del P. 7636
Martinucci, R. 539
Martiny-Baron, G. 7612
Mártonffy, B. 363
Martynova, A. V. 7683
Marubayashi, N. 3735
Maruca, G. 5770
Marudelli, M. 273
Marullo, R. 8645
Marumo, S. 7190, 7659
Marutani, M. 395
Maruthappan, V. M. 6825
Marutyan, S. A. 2777
Marwan, A. G. 2718-2719
Mar'yakhina, I. Ya. 1450
Marzi, V. 4131, 6878
Marzouk S. E. 8209
Marzuis, V. O. 6148
Más, O. 5267
Masa Vázquez, A. 3327
Masaba, D. M. 1832, 1836, 6302
Masaguer, A. 4317
Masaguer Rodríguez, A. 5893
Mascolo, N. 1773, 5170
Mashev, N. P. 1451
Masia, A. 5496
Masiunas, J. B. 5885
Maskuddin 8298
Mason, C. T. 3913
Mason, G. F. 4590
Mason, M. G. 3331
Mason, P. B. 3913
Massacci, A. 3451
Massatini, F. 6382
Masseron, A. 1275
Massignan, L. 3271
Massiot, G. 629, 4524
Massot, J. C. 378
Maštalka, A. 7447
Masterson, C. 5783
Masuch, G. 6668
Masuda, H. 4033
Masuda, K. 1608, 8050
Masuda, Y. 7697
Masumy, S. A. 743
Masunias, J. B. 177
Mata, R. 6930, 8065
Mata-Segreda, J. F. 5238
Mataix, J. 158
Matan, E. 4318
Matar, A. E. 7669
Maťátko, J. 6888-6889
Mateille, T. 8236
Mateo, C. 2435
Mater, A. A. 659
Materrazzi, A. 5673
Matevska, N. 8632
Mathai, C. K. 8654
Máthé, A. 3710
Máthé, I. 3710
Máthé, I., Jr. 3710
Mathela, C. S. 513, 1138, 6139, 7975-7976, 9089
Mathela, D. K. 7976
Mathes, M. C. 3607
Mathew, A. G. 1666
Mathew, A. S. 5302
Mathew, B. 398
Mathew, M. 8317
Mathew, T. 1618
Mathiassen, H. P. 3387
Mathis, P. 4855
Mathot, P. 5758
Mathur, A. 4528
Mathur, J. 4528
Mathur, K. 1754
Mathur, K. C. 2113, 6152
Mathur, M. 1476
Mathur, R. 2388, 4503-4504
Mathur, R. K. 2397
Mathur, S. 1754, 2388
Mathur, V. S. 616
Mathuram, V. 9103
Matiar Rahman, A. K. M. 1443
Matias, S. 8147
Matida, A. K. 3741
Matiello, J. B. 1221, 8272
Matile, P. 6108-6109
Matkhanov, È. I. 1746
Matlick, B. K. 9318
Mato, M. C. 2761
Matoba, Y. 1200, 2523
Matos, A. P. de 6321, 6325
Matos, A. T. 5796
Matos, F. J. A. 9080
Matos, M. E. O. 9080
Matos, N. 625
Mats, M. N. 6159
Matsubara, T. 8109, 9206
Matsubara, Y. 5179, 9276
Matsuda, H. 1090, 3054, 3742
Matsuda, M. 1734
Matsudo, T. 3165
Matsueda, S. 2363
Matsui, I. 5451
Matsui, K. 5743
Matsuki, H. 1759
Matsumoto, H. 894, 930, 4897
Matsumoto, J. 9160
Matsumoto, K. 6921
Matsumoto, M. 1732
Matsumoto, O. 7364
Matsumoto, S. 6333
Matsumoto, T. 2366, 2425, 3025, 4204, 5179, 7999
Matsumura, M. 2453
Matsumura, Y. 9407
Matsunaga, S. 1734, 3757
Matsunaka, H. 6836
Matsuo, E. 7865
Matsushima, H. 5712
Matsushima, J. 675-676
Matsushita, K. 2284
Matsuta, N. 3162-3163, 6276
Matsuura, S. 43
Matsuura, T. 1759
Matsuzaki, R. 9186
Matsuzaki, S. 2690
Matta, A. 6740
Matta, F. B. 1333-1335
Mattanovick, D. 7225
Mattar, A. 658
Matthews, M. A. 168, 858
Matthews, R. B. 2600
Matthews, W. C. 8921
Matthews-Gehringer, D. 8728
Mattos, I. L. 6347
Mattos, L. 3963
Matulaitis, R. M. 3309
Matusch, R. 1675
Matveev, V. M. 6939, 9147
Matveeva, O. A. 4693
Matvienko, N. V. 1284
Matyac, C. A. 1441
Matzliah, J. 5276
Mau-Lastovicka, T. 5260
Maude, G. 64
Mauget, J. C. 771
Mauk, C. S. 4912
Mauney, J. R. 8668
Mauri, P. 6198
Mauromatēs, E. 2889
Maurya, A. N. 7549, 7668, 7707
Maurya, C. P. 4665
Maurya, K. R. 2176, 4976, 6705
Maurya, V. N. 4601, 5312
Maus, W. L. 4412
Mavandad, M. 8783
Mavlyanova, R. F. 2110
Mavrodiĭ, L. I. 4282
Mavrodiĭ, S. G. 4282
Mavrogiannopoulos, G. N. 4313
Maw, B. A. 7489
Maw, B. W. 4118
Maxwell, A. 9191
May, A 6183
May, B. 4995
May, D. M. 2164, 8921
Mayagoitia, L. 1717
Mayak, S. 2279, 6775
Mayer, A. M. 1503, 2132
Mayer, G. 643, 2509, 4084
Mayer, R. 1152, 3094
Mayer, R. T. 3146
Mayer, W. 7234
Mayer, W. E. 4910, 7640
Maynard, B. 1256
Maynard, B. K. 1032
Maynard, D. N. 5725
Mayne, R. G. 5777
Mayol, L. 1083
Mazars, G. 2334
Mazelis, M. 2792
Mazliak, P. 1955
Mazollier, J. 7461
Mazulin, A. V. 9131
Mazur, A. R. 2245, 6089, 6823
Mazur, Y. 3849
Mazza, G. 3297, 7986
Mazzanti, G. 3072
Mazzucchi, U. 6772
Mbacham, W. F. 6154
Mbagwu, J. S. C. 285
Md. Saleh Ahmed 6716
Mdinaradze, T. D. 3834
Mead, G. P. 235
Mécs, J. 3483
Medarde, M. 8044
Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent 3
Medel S., F. 3298, 8593
Mederos, S. 4420
Mederos Olalde, E. 1225
Medina, S. 7176
Medina-Gonzales, O. A. 8332
Medlicott, A. P. 701
Medvedev, A. V. 5706
Medvedev, V. G. 2818
Medvedev, V. N. 5226
Medvedeva, N. I. 5706
Medvedkova, L. A. 2740
Meek, D. W. 8749
Meena, B. A. 1268
Meer, I. M. van der 7846
Meer Gupta 1667
Meerssche, M. van 1687
Meeuse, B. J. D. 5949
Meged', G. K. 2824
Megha Singh 1421
Meheriuk, M. 779, 1272, 4014
Mehlenbacher, S. A. 3992
Mehlhorn, H. 2872
Mehlschau, J. J. 2683
Mehra, S. P. 8684
Mehrotra, B. N. 1691
Mehrotra, B. S. 8937
Mehrotra, N. K. 8813
Mehrotra, R. 9172
Mehrotra, S. C. 8813
Mehta, B. K. 6899
Mehta, K. 8584
Mehta, N. 5354
Mehta, N. K. 8533
Mehta, P. M. 8307
Mehta, V. S. 7952
Meier zu Beerentrup, H. 2946
Meiertoberens, M. 5131
Meijs, M. Q. van der 5667
Meir, S. 6462
Meiri, A. 1525, 5891
Meisheri, T. G. 2120
Mekhtieva, N. L. 4436
Mekhtieva, T. D. 828, 838
Mekkawy, H. 1718
Meklati, B. Y. 7973
Meksuriyen, D. 8055, 9157
Mel, J. G. de 8316
Melan, M. A. 8815
Meland, M. 3314
Melander, W. R. 8780
Meldrum, S. K. 7738
Melekhov, E. I. 3401
Meli, R. 4473
Melik-Guseĭnov, V. V. 8070
Melikhov, A. A. 2725
Meliksetyan, N. A. 4757
Melillo, V. A. 5976
Melis, A. 1428, 3435-3436
Melkani, A. B. 513, 6139, 7975, 9089
Mellidis, A. S. 1155
Mello, F. A. F. de 910-913, 4208
Mélo, J. F. de 2442, 6960
Mel'nichuk, G. G. 5525
Mel'nik, N. S. 5048
Melnikov, J. 7449
Melo, M. de F. F. 2442
Meloni, M. 5915, 6616
Melton, T. A. 2631
Memane, S. A. 8849
Memon, A. R. 8758
Memon, G. M. 9411

Men-Olivier, L. le 4524
Menary, R. C. 1683
Menassa, R. 7695
Mencarelli, F. 2124, 7792
Mencuccini, M. 4560
Mendel, M. J. 9091
Méndez, C. 5582
Méndez, S. 8110
Méndez Riscart. F. 6329
Mendilcioglu, K. 8168, 8170, 8215
Mendiola, M. A. 6550
Mendoza, T. C. 6332
Mendoza, V. 6970, 9187
Menéndez, R. 4183, 6222
Menesis, Ya. Ya. 7172
Menezes, A. M. S. 6161
Meng, Q. 3794, 5217
Meng, X. J. 9192
Menghini, A. 1072
Mengi, N. 6961
Mengüç, A. 5959
Menichini, F. 1714, 6181
Menini, U. G. 2545
Menke, F. 3207
Menkeová, A. 6912
Menon, K. K. G. 9, 8884
Menounos, P. 6145
Men'shova, V. A. 5125
Menut, C. 7967
Menzel, C. M. 674, 5286, 6264, 8210, 8212, 8223
Merabet, B. 2856
Meravý, L. 4483
Mercer, E. R. 64
Mercier, A. 6723
Meredith, C. P. 844
Meredith, S. A. 5469
Merezhinskiĭ, Yu. G. 4333
Merfort, I. 1712
Meriçli, A. H. 3806, 6967
Merin, U. 3864
Merkel, L. 8891
Merkle, M. G. 7595
Merkle, S. A. 7318
Mermier, M. 4956, 6406
Merrill, R. C. 8138
Merritt, R. H. 388, 1014
Mesbach, H. A. 7994
Mesquita, A. L. M. 4542
Mesquita de Araújo, M. do C. 3055
Mesquita Filho, J. A. de 1217
Mesquita Filho, L. 1220
Messana, I. 581, 3055, 4479, 6960
Messeguer, R. 96, 5964
Messelière, C. de la 1079
Messina, R. 3281
Metelka, K. 7207
Metha, B. K. 6922
Metha, K. 8581
Metha, V. A. 6711, 7728
Metlitskaya, K. V. 4761
Metlitski, O. Z. 4783
Metz, N. 8424
Metzger, J. 5122
Metzger, J. D. 919
Meulewaeter, F. 5935
Meunier, S. 5672
Meyer, A. 1495
Meyer, A. J. 5579
Meyer, B. N. 8024
Meyer, C. P. 2594
Meyer, E. 7418
Meyer, G. E. 7166, 7171, 8413
Meyer, H. 3366
Meyer, J. 3617
Meyer, J. H. 5337, 7101
Meyer, M. M., Jr. 4426
Meyer, P. 1581
Meyer, W. A. 1020, 2961-2962, 2964, 7882, 7884
Meyer, Y. 1348
Meyerdirk, D. E. 4650
Meyers, S. C. 3282
Meys, Q. G. van der 2979
Mgaloblishvili, T. S. 3843
Mhase, N. L. 9373
Mhatre, M. 1983
Mia, L. T. 6911
Mia, M. D. 9086
Miah, M. A. W. 4518
Mian, A. 8450
Miana, G. A. 568
Miazga, S. M. 4531
Miccolis, V. 2091
Michailides, T. J. 1033, 5523
Michalczuk, L. 6510
Michalik, B. 88
Michalik, H. 2931, 2936
Michelesi, J. C. 108
Michelis, M. I. de 3390
Michelson, R. H. 575
Mićić, N. 47, 6482-6483
Micke, W. C. 49
Micu, C. 4717
Midiwo, J. O. 9125
Miedma, L. 2235
Mielzarek, T. 1377
Miernik, J. 1264
Miersch, O. 1495
Miet, C. 3795
Mievska, Ts. 4095
Miftahorrachman, H. 9334
Migheli, Q. 6024
Miginiac-Maslow, M. 4848, 7502
Migliaccio, F. 3459
Mignotte, Y. 7960
Miguel, E. de 5916
Mihăescu, G. 2675
Mihai, Ş. 2759
Mihăilescu, N. 2095
Mihalca, A. 7380
Mihalik, E. 3750
Mihara, S. 4024, 4033
Mihashi, K. 3045
Mijnssen, G. W. A. V. 2948
Mika, A. 59
Mikage, M. 2370
Mikeladze, Z. R. 8181
Mikhailov, O. F. 1510
Mikhailov, Ts. 5429
Mikhalake, I. N. 5583
Mikhal'tsova, N. V. 2814
Mikhkiev, A. I. 4043
Mikhova, B. P. 8118
Miki, B. L. 3915
Miki, H. 28
Miki, K. 1751
Miki, S. 3054
Miki-Hirosige, H. 1603, 6032
Mikkelsen, J. M. 9095
Mikkelsen, R. L. 332, 7750
Mikulás, J. 5585
Mikulka, J. 3789
Mikulovich, L. S. 776
Mikul'skaya, S. A. 8823
Mikuriya, H. 9258
Milaire, H. G. 6439
Milanuk, M. J. 7166, 7171
Milbocker, D. C. 2272
Milborrow, B. V. 4324-4325
Milcheva, M. 7455
Milde, H. 6803, 7823
Miles, D. H. 4468
Miles, G. E. 353, 371, 4888
Miles, N. 5495
Miletić, R. 4017
Milham, P. J. 1532
Milică, C. I. 6476
Milijić, S. 4202
Milkova, L. 292, 306
Milks, R. R. 409
Millán F., M. 3177
Millar, D. J. 8783
Mille, B. 5839
Miller, A. N. 2001, 6492
Miller, D. D. 7367
Miller, D. P. 6547-6548
Miller, G. L. 6795, 6843, 6849, 6856, 7050
Miller, I. M. 1644
Miller, J. D. 8326, 9381
Miller, J. W. 4459, 8187
Miller, L. C. 3581
Miller, P. 1941
Miller, R. W. 8030
Miller, S. S. 71, 1963
Miller, W. M. 3852
Miller, W. R. 3151, 4053
Milligan, M. J. 2980
Milligan, S. P. 4224, 4907, 6676
Millner, P. A. 4126, 4264-4265, 4920
Mills, J. D. 4256, 4258
Milojković, S. 8976
Milotai, G. 2184
Milthorpe, P. L. 8142
Milutinović, S. 4202
Mimaki, Y. 3571
Mimica-Dukić, N. 4458
Mimuro, M. 5655
Min, Z. D. 579, 612, 1174, 7910
Minaeva, V. G. 1111
Minal Mhatre 1983
Minami, M. 392
Minamide, T. 6767, 8935
Minamikawa, T. 2864
Minář, J. 4918
Minard, R. D. 1145
Minardi, P. 6772
Minasian, A. N. 8405
Minchin, P. E. H. 4228, 7658, 7684
Minegishi, M. 6591
Minegishi, T. 63
Mineyuki, Y. 6020, 6587
Minguzzi, A. 1988
Minina, S. A. 3047, 3796
Ministry of Agriculture and Fisheries, New Zealand 734
Minka, C. J. 8259
Minkov, I. 1451
Minner, D. D. 6043
Minners, R. S. 874
Minnich, M. M. 267
Miño, J. H. 6938
Minocha, S. C. 7509
Minotti, P. L. 2168, 6727
Mir, I. 1713
Mirajkar, A. M. 6364
Miraville, R. 4077
Mircea, M. 3030
Mirchev, S. 3499
Mirecki, R. M. 3594, 6778, 7624
Mirică, A. 4088
Mirică, I. 4088
Miro, M. 517
Mirofushi, N. 25
Mironova, G. A. 6082
Mironova, O. A. 2710
Miroševič, N. 4075
Miroshnichenko, E. Ya. 4381
Miroshnikov, V. G. 2044
Mirovich, M. V. 2303
Mirsagatov, M. M. 2695
Mirzamatov, R. T. 9122
Misaghi, J. J. 1441
Misawa, M. 1720-1721, 2359, 6179, 6927
Mishchenko, N. V. 2692
Mishra, B. P. 7032, 8557
Mishra, D. 3651
Mishra, H. P. 4835, 6627, 6639
Mishra, J. S. 8281
Mishra, K. K. 8282
Mishra, R. C. 7247
Mishra, R. R. 5064
Mishra, S. D. 1618
Mishra, S. P. 6785
Mishra, U. K. 7103
Mishulina, I. A. 2744
Mishurova, S. S. 6210
Miske, T. 6010
Miski, M. 6967, 8067
Misopolinos, N. D. 6271
Misra, K. K. 2518
Misra, L. N. 1077, 1677, 3014, 5115, 7978
Misra, L. P. 3875
Misra, M. K. 6151
Misra, M. P. 6345, 9395
Misra, R. K. 932
Misra, R. L. 7860-7861
Misra, R. S. 2107, 4020, 5442
Misra, S. K. 4465
Misra, S. S. 8587-8588
Misra, U. S. 4935
Misseri, S. C. 5273
Mississo, E. 2551
Mitchell, C. A. 2103, 7522
Mitchell, F. G. 643, 2509
Mitchell, J. K. 6830
Mitchell, J. P. 2164
Mitchell, J. R. 9361
Mitchell, O. R. 353
Mitchell, R. 3441, 4851
Mitchell, T. 8597
Mitiche, B. Doumandji- 3153
Mitini-Nkhoma, S. P. 3896
Mitov, P. 99
Mitra, B. 4856
Mitra, G. C. 9167
Mitra, S. K. 824
Mitranov, L. 2125
Mitrofanov, D. P. 4341
Mitroshin, G. D. 4179
Mitrov, P. P. 8907
Mitscher, L. A. 3754, 6902
Mitsuhashi, H. 3722, 3803, 5203
Mitsuhashi, W. 2864
Mitsulov, N. 7751
Mittal, J. P. 8860
Mittaz, C. 6421
Miura, L. 4147
Miura, Y. 559, 3736, 8023
Miyachi, H. 1091
Miyagawa, H. 6446
Miyagi, Y. 5205
Miyagoshi, M. 1737
Miyahara, K. 1143, 3735, 6921, 8063
Miyaichi, Y. 3111
Miyajima, I. 9035
Miyakado, M. 7997
Miyake, Y. 28
Miyakoshi, M. 6921
Miyamoto, K. 559, 3736
Miyao, M. 5824
Miyase, T. 2365, 2820, 9117
Miyashita, N. 2345
Miyashita, Y. 5351
Miyazawa, K. 9208
Miyazawa, M. 3052, 8098
Mize, C. W. 7143
Mizell, R. F., III 6114
Mizrahi, Y. 4318, 9225
Mizuno, K. 588
Mizuno, M. 579, 612, 1174, 1200, 2523, 3110, 6001, 6783, 6946, 7910
Mizuno, N. 5460
Mizuno, Y. 3073
Mizuta, M. 6524
Mizutani, J. 9116
Mizutani, K. 2426
Mkwaila, B. 3901
Mladin, G. 4718
Mladinskiĭ, N. I. 2703
Mnatsakanyan, V. A. 3817
Mnzava, N. A. 5677, 5931
Mo, H. Q. 8678
Mocný, E. 6490
Modi, V. V. 2557
Modl, P. 4713
Moe, R. 2208, 3539, 5943, 6012, 6098
Moenandir, J. 5754
Moerman, P. A. 7158
Moermans, R. 463
Moffett, M. L. 5868
Mohamed, A. A. 2910-2911
Mohamed, A. A. K. 245
Mohamed, A. R. S. 98
Mohamed, A. S. 245
Mohamed, E. I. 7732
Mohamed, H. A. 4117, 7470, 7478, 7480
Mohamed, M. B. 8786
Mohamed, S. F. 5879
Mohamedali, G. H. 5645
Mohammad, A. A. 150, 172
Mohammad, F. V. 6209
Mohammed, A. T. 8300
Mohan, C. 5280, 9347
Mohan, I. 3943

Mohan, N. K. 707, 4604, 6361
Mohan, S. 8235
Mohan, S. K. 8186
Mohan Singh 7491, 8690
Mohanan, R. C. 9306
Mohandas, C. 9059
Mohandas, S. 4315
Mohandass, S. 9094
Mohanty, G. N. 1409
Mohanty, P. 6606
Mohay, J. 3591
Mohd., A. 4167-4168
Mohd Lassim, M. B. 5299
Mohd. Shabab Uddin 4191
Mohid, N. 8302
Moholkar, P. R. 8840
Mohr, G. 4973
Mohr, H. 9061
Mohr, W. P. 1546
Mohri, K. 8920
Mohyuddin, A. I. 6344
Moir, G. F. J. 5324
Mok, D. W. S. 907, 1909, 7864
Mok, M. C. 907, 1909, 7864
Mokrá, A. 1374
Mokronosov, A. T. 1509
Mol, J. N. M. 2212, 3552, 7846
Moldovan, N. I. 7667
Moldt, P. 8077
Moleas, T. 7215
Molendorff, L. J. von 803
Molero, M. L. 7484
Molero Mesa, J. 6903
Molina, A. 1853
Molina, G. C. 6742
Molinari, S. 4296
Moline, H. E. 1341
Molitor, H. D. 1579
Moll, G. 6067
Mollendorf, L. J. von 2680-2682
Møller, I. M. 2815
Molnar, J. M. 5392
Molnár, M. 383
Molokanov, V. A. 1111
Molokhova, E. I. 3796
Molotkov, P. I. 1244
Molotkovskiĭ, Yu. G. 4249
Moltay, İ. 9285
Momberg, W. 7428
Mon, T. R. 3296
Monache, F. delle 5189, 6960
Monache, G. delle 5189
Monaco, A. 1991
Monaco, T. J. 6528
Monakhova, O. F. 3538
Monastra, F. 4714
Monchiero, M. 5600
Moncur, M. W. 7116
Mondin, M. 5780
Mondon, J. M. 6140
Moneam, N. M. A. 6275
Monerri, C. 2139
Monet, R. 1987
Moneti, G. 4506
Monga, P. K. 7381
Monge, E. 5482, 5497
Monget, C. 3937
Monk, G. J. 5392
Monk, L. S. 2952
Monnet, Y. 7253
Monobe, Y. 9045
Monopoli, F. P. 5864
Monro, J. A. 131
Monro, J. H. 201
Monselise, S. P. 2459
Montalbini, P. 4200
Montanarella, L. 1072
Montasser, A. S. 2527
Montecinos, M. T. 8777
Monteiro, A. R. 8194-8195
Monteiro, M. A. R. 2857
Montero, J. C. 799, 7304
Montero, M. J. 3712
Montevecchi, P. 65, 736
Montgomery, D. P. 3580
Montuschi, N. 4021
Monzini, A. 110
Moon, B. W. 3245, 4698
Moon, J. W., Jr. 4052
Moon, J. Y. 5446, 5510
Moore, A. L. 4257
Moore, C. E. 2243
Moore, D. 1456
Moore, F. D., III 5664
Moore, I. 7016
Moore, J. 1785
Moore, J. N. 135, 1998, 4764
Moore, L. D. 5469
Moore, N. F. 5288
Moorthy, P. N. K. 5866
Mor, Y. 1046, 1640
Mora, J. 8887
Moraes, F. R. P. 4580
Morais, F. I. de O. 9321
Morales, A. L. 4606
Morales, C. 2565, 6346
Morales, D. 2259
Morales, F. 1855
Morales B., J. 3156
Morallo-Rejesus, B. 9092
Morán, A. 3712, 3793
Moran, R. 1808, 8207
Morando, A. 7430-7432
Moras, P. 1361, 3908
Morávek, Z. 755
Morchiladze, G. M. 8353
Morejón Morejón, J. M. 952
Morelock, T. E. 5648
Moreno, D. S. 1797
Moreno, E. 3189
Moreno, J. 9266-9267
Moreno, M. A. 5497
Moreno, R. 6704
Morera, N. 3173
Moretti, G. 3325, 3328, 6545, 7391
Morev, V. V. 956
Morey, R. V. 7559-7560
Morgado, I. F. 4207
Morgado, L. B. 2843
Morgan, M. R. A. 5359
Morgan-Jones, G. 7184
Morgutti, S. 6564
Mori, H. 3934, 6660, 7605
Mori, K. 984
Mori, T. 9407
Mori, Y. 2325
Moriguchi, S. 3980
Moriguchi, T. 2690, 3162-3163, 6276
Moriguchi, Y. 6252
Morikawa, H. 5060
Morikawa, Y. 5133
Morimoto, I. 2437
Morimoto, S. 5200, 8611
Morimoto, Y. 6913
Morin, L. 7499
Morini, S. 4675, 7942
Morinobyu, N. 3046
Morishima, H. 43
Morishita, T. 2914, 5137
Morita, A. 9259
Morita, H. 2344, 2374, 3717, 8021
Morita, N. 607, 1680, 1767, 3109, 8104, 9155, 9174, 9190, 9203
Morita, T. 6921
Mork, K. 9249
Morocoima, J. M. 1835
Morohasi, Y. 5712
Morozova, T. V. 2654
Morpurgo, G. 4980
Morré, D. J. 8708
Morris, G. E. L. 974-976
Morris, J. R. 4796
Morris, P. 3063, 6931
Morris, R. L. 1562
Morrison, J. C. 746-747
Morrow, C. T. 5462
Morrow, R. C. 23
Morse, M. J. 494
Morse, R. D. 4969
Mortensen, J. A. 5612, 7389, 8630
Mortensen, L. M. 31, 382, 430, 2208, 2588, 2940, 5732, 5906, 7891
Mortier, F. 2334, 3107
Mortimer, E. A. 5006
Morton, H. V. 7183
Morton, J. F. 2984, 6237
Morvell, W. A. 5878
Mosandl, A. 3861
Mosbæk, H. 7517
Moschini, E. 311, 4374, 5715
Mose, P. 9009
Moser, E. 8424
Moshonas, M. G. 3837, 4552
Moskal'chuk, N. I. 3694-3695
Moskalenko, K. M. 3984
Moskalenko, S. A. 3703
Moss, M. A. 6654
Mossa, J. S. 723
Mote, U. N. 8862
Mothershed, C. P. 7845
Moti Singh 5312, 8785
Motola, P. 5917
Motomiya, T. 1108
Motsenbocker, C. E. 7594
Motskobili, D. N. 6350
Motskobili, N. A. 3145, 8176
Motte, G. 2616, 8494
Motte, J. C. 6661
Mougou, A. 4640
Moulik, S. 6822
Moulin-Traffort, J. 6144
Moulis, C. 3119, 9166
Mourgue, M. 1179, 6233
Mousa, O. M. 2894
Mousdale, D. M. 2141
Moye, H. A. 4652
Moyna, P. 1742
Mozhar, N. V. 819
Mpelkas, C. C. 8399
Mpondo, E. M. 583, 8073
Mraček, V. 6888-6889
Mshiu, E. N. 3704
Msikita, W. M. 5677
Msikita, W. W. 5931
Msonthi, J. D. 525, 587, 1686, 3768, 6150
Mudaheranwa, J. P. 1687
Mudry, P. 9140
Mudzhiri, M. M. 2450
Muegge, M. 3416
Mügge, A. 414, 5037
Mügge, C. 6981
Mugne, Y. 3072
Muhammad Da'u 666
Muhammad Salih Ahmad 8206
Muhammad Yasin 6330
Muhyaddin, T. 4948
Mujet, C. V. 1909
Mukesh Mathur 1476
Mukhanin, I. V. 3243
Mukherjee, A. 8677
Mukherjee, B. 1215, 3813
Mukherjee, D. 6715
Mukherjee, K. D. 4460, 4659, 9068
Mukherjee, R. 2442
Mukherjee, S. K. 3813, 5357, 7078, 8211
Mukhin, E. N. 941
Mukhina, V. F. 6175
Mukhopadhyay, A. 2238-2239, 2959, 5080, 6808, 7933
Mukhopadhyay, P. K. 4532
Mukhopadhyay, R. 8019
Mukhopadhyay, S. 9157
Mukhopadhyaya, K. 3168
Mukhortova, T. G. 6056, 6141
Mukoyama, H. 3391
Mulato-Brito, J. 6755
Mulchandani, N. B. 6975
Mulder, J. C. 3870, 5295, 7057, 7059
Mulkens, A. 36
Mulkey, J. R., Jr. 7008
Mulla, G. M. M. 6364
Müller, B. 2793
Müller, E. 3466, 4544
Muller, H. G. 1188
Müller, K. 4083
Müller, M. 1950
Müller, P. 9269
Muller, P. J. 2233, 2958
Mullinix, B. G., Jr. 2677
Mullins, C. A. 2852, 6620
Mullins, J. A. 6620
Mullins, M. G. 1252, 3915
Multari, G. 587
Mulufi, J. P. 6154
Mumford, P. M. 7732
Munilla, R. D. 3925
Muñíz, H. 1231
Munnecke, D. E. 7550
Munoz, R. F. 2965
Muñoz C., M. P. 3156
Muñoz Corona, M. 9177
Muñoz-Delgado, L. 4711
Muñoz S., C. 795, 3273, 3292, 3307
Muñoz S., M. 3905
Munroe, J. A. 1266
Munshi, S. K. 4667
Munson, S. T. 4039, 5506
Muradyan, A. A. 2304, 2456
Murai, F. 1068, 3780
Murai, T. 1869, 3196, 3201, 3204, 5350, 6359
Murakami, H. 3054
Murakami, K. 6926
Murakami, Y. 279, 9282
Murakoshi, I. 2146, 4190, 8707
Muraleedharan, N. 5349
Murali, T. P. 7927
Muramatsu, H. 63
Muramoto, Y. 8031
Muraoka, T. 910-911, 4208, 4221-4222
Muraoka, T. T. 49
Muraru, V. 6540, 6561
Murashige, T. 2464, 3222
Murata, H. 2523
Murata, J. 2523
Murata, N. 902, 1482, 5824
Murata, T. 5824
Murillo, J. M. 3276
Murin, A. V. 3017
Murko, D. 641
Murofushi, N. 7843
Murphy, D. J. 4659
Murphy, S. P. 8670
Murray, E. D. 207
Murrieta, X. 8125
Murthy, K. C. K. 7485
Murthy, K. V. S. 1763
Murthy, S. N. 9221
Murthy, S. V. K. 3833, 7027
Murti, G. S. R. 7642
Murti, V. D. 3844
Murugan, V. 2289
Mushroom Journal 8938
Musil, P. 6912
Musselman, R. C. 1406, 4059
Musso, O. 4733
Mustafa, T. 669
Mustafa, T. M. 7527
Mustafaev, I. D. 7372
Mustard, M. J. 3599
Mustyatsė, G. I. 728
Muthappa, B. N. 6303
Muthoo, A. K. 7549, 7668, 7707
Muthuswami, S. 2819
Muthuswamy, S. 3012, 7511
Mutlugil, A. 1114
Mutton, L. L. 3463
Muyldermans, Y. 7494
Mwakha, E. 3202
Mwang'ombe, A. W. 1832
Myczkowski, J. 218-219
Mydlarz, J. 339, 7751
Mysina, A. S. 1981
Na, H. 6075-6076
Na, S. Y. 7246, 8859
Naaranlahti, T. 9123
Nabae, M. 2987
Nabeesa, E. 8845
Naber, H. 4772
Nabi-Zade, L. I. 8026
Nabil, Z. 1718
Nachtigall, M. 8484
Nada, M. K. 4518
Nada, M. K. A. 5058-5059, 5084
Nademoto, Y. 2575

Nadinic, E. L. 1766
Nadlinger, M. 2591
Nadtotchei, A. 1389
Naeemuddin Gilani, S. 540
Næss, S. K. 3598
Nag, T. N. 9173
Nagahama, M. 9260
Nagahama, N. 2987
Nagai, C. 8325
Nagai, K. 2349
Nagai, M. 2356-2357
Nagai, T. 2905, 5896
Nagai, Y. 5161
Nagakura, N. 5121
Nagamura, S. 6396, 6524
Nagano, H. 2441
Nagano, M. 9259
Nagao, M. A. 381
Nagao, T. 2325, 9138
Nagaoka, M. 6746
Nagaraja, K. V. 4573, 6300, 7055
Nagarajaiah, C. 2278, 7935
Nagarajan, S. 4481, 9143
Nagaraju, A. P. 192
Nagayama, K. 8104
Nagda, C. L. 6629
Nagel, C. W. 2718-2719, 8627
Nagi, I. 4247
Nagi Reddy, S. 9056
Nagieva, E. É. 846
Nagre, P. K. 7488
Naguib, M. I. 5184-5185
Nagumo, S. 2357
Nagy, B. 7912
Nagy, F. 3677
Nagy, G. 3406
Nagy, J. 2138, 6650
Nagy, S. 8438
Nahar, F. 4167
Naib, A. A. 6900
Naichenko, V. M. 1317
Naidakova, Ts. A. 1701
Naidu, K. M. 717
Naik, A. G. 4110
Naik, S. 7646
Naiki, T. 4160, 5691
Nainar, S. A. Z. 5107-5108
Nair, A. N. S. 8317
Nair, B. M. 1750
Nair, G. M. 4587, 5149
Nair, M. R. G. K. 3010
Nair, N. G. 1389, 2182
Nair, P. C. S. 3659
Nair, P. K. R. 290, 690
Nair, R. R. 1841
Nair, S. P. 5222
Nair, S. R. 3606
Naithani, S. 5165
Najam-ul-Hussain Kazmi 3758
Nakagawa, K. 1744, 3115, 3810, 5159, 6909
Nakagawa, S. 6252, 6358
Nakahara, H. 9184
Nakahara, K. 2385
Nakama, M. 6333
Nakamura, H. 7699
Nakamura, N. 1743
Nakamura, R. 8242
Nakamura, S. 1603, 5133, 6032, 6107
Nakanishi, H. 3097
Nakanishi, K. 2324, 4272
Nakano, K. 2448, 6926
Nakano, O. 6745
Nakano, Y. 3810
Nakao, H. 7605
Nakashima, K. 8109, 9206
Nakashima, M. 6913
Nakata, D. 7699
Nakata, H. 2356, 2453, 3056, 3058
Nakata, M. 8933
Nakatani, M. 6947
Nakatani, N. 3685
Nakatsu, A. 9065
Nakayama, F. S. 1786
Nakayama, K. 4589
Nakayama, L. H. I. 4219-4220, 9323
Nakayama, T. 6252
Nalawadi, U. G. 7948
Nalobova, V. L. 7579
Nalwadi, U. G. 9357
Namba, K. 3742
Namba, T. 2302, 2370, 3657
Nambiar, P. T. N. 3874
Nambudiri, E. S. 1828
Namikawa, K. 352
Namiki, M. 3785, 5244, 6212
Namikoshi, M. 2356, 3056-3058
Namose, Y. 1680
Namponya, C. R. 4621
Nampoothiri, V. M. K. 7055
Nanaya, K. A. 5272
Nanba, H. 984-985
Nanba, S. 9065
Nand, G. 5415
Nanda, K. K. 400
Nandakumar, S. 2561
Nandal, S. N. 3699
Nandi, P. K. 1493
Nandi, R. 2364
Nandi, R. P. 9099, 9101
Nandihalli, B. S. 5858
Nandris, D. 1849
Nanjan, K. 2941
Nano, G. M. 6142, 8068
Naoki, H. 6947
Napoli, M. 6709
Nappi, P. 9294
Naquira, C. 1735
Naran, R. 6972
Narasimham, P. 8518
Narasimhan, V. 4289
Narayan, C. S. 541
Narayan, P. 1650
Narayana Reddy, M. A. 9313-9314
Narayanagowda, J. V. 7927
Narayanappa, M. 1592
Narceau, M. C. 6416
Nardin, C. 2630, 3236
Nardo, A. 2565, 6346
Narita, T. 1108
Narumi, Y. 2351
Naruto, S. 3742
Narzullaev, A. S. 6939, 9147
Nascimento, A. S. do 4542
Nascimento Filho, V. F. 4221-4222
Nash, G. T. 7672
Nash, M. A. 6089
Nash, R. J. 6173
Nasi, F. 4727
Nasir, F. R. 98
Nasirov, S. M. 3759
Nasr, C. 487
Nasri, F. 5702
Nassar, A. H. 1982
Nassar, M. E. 800
Nasser, A. A. 9196
Nat, J. M. van der 3053
Natali, S. 3330, 4793, 6556
Natesan, S. 2572, 8350-8351
Nath, A. 6277, 8451
Nath, G. 8902
Nath, P. 2985
Nath, R. 8760
Nath, V. 8821
Natour, R. M. 8709
Natskova, V. 337, 8901
Natwick, E. 8755
Naumann, U. 2639
Naumann, W. D. 136, 140, 3308, 8477
Nautiyal, B. P. 3776
Nautiyal, M. C. 4358
Navaratne, K. M. 8119
Navarro, C. 517, 1076, 1681, 7989
Navarro, G. 5582
Navarro, S. 5582
Navascués, J. 5644
Navatel, J. C. 1331
Navon, G. 4231
Nawar, L. S. 2894
Nawata, E. 2885, 4272
Naylor, A. W. 5825-5827
Nazarov-Rygdylon, V. É. 1701
Nazarova, I. I. 6852
Ndon, B. A. 9365
Neal, C. A. 2266
Neale, M. E. 3660
Neales, T. F. 3428
Neall, V. E. 7175
Nebiolo, P. 7431
Nedel'ko, V. T. 758
Nederhoff, E. 3929, 4319, 4632, 6644
Nederhoff, E. M. 5390
Nedeva, M. 8632
Nedoma, J. 24
Nedstam, B. 7607
Nedyalkova, I. A. 5875
Nee, C. C. 1904
Neelakandan, N. 8845
Neelakantan, S. 5215
Neerjia Pant 553
Neeti Saxena 1500
Nefedova, L. G. 2111, 7797
Negbi, M. 2935
Negi, D. S. 5208
Negi, S. 6958
Negishi, O. 6357
Negreanu, T. 6113
Negrete, R. E. 1113
Negron, M. 896
Negru, P. V. 1378, 1397, 5609
Negueruela, A. V. 7987
Nehrbas, S. R. 4041
Neild, R. E. 1753
Neilsen, G. H. 3960
Neimanis, S. 2100
Nekrasova, K. K. 5448, 5468
Nel, D. J. 1825, 5292, 6286
Nel, M. 1792, 2517, 9242
Nelemans, J. A. 5801, 5901, 8774
Nell, T. A. 2207, 4356, 4392, 4418
Nelles, J. 8606
Nelli, E. J. 8339-8340
Nelliat, E. V. 3172
Nelson, E. B. 7672
Nelson, E. C. 495
Nelson, J. M. 7614
Nelson, J. W. 1367, 3972
Nelson, L. A. 4213
Nelson, L. M. 4242, 4244
Nelson, S. D. 8969
Nelson, S. H. 423
Nema, J. H. 5939
Németh, I. 7397
Németh, J. 3223
Nenadović-Mratinić, E. 1310
Nenciu, I. 2053
Nenov, S. 4792
Neptune, A. M. L. 4218, 4221-4222, 4580
Nerd, A. 7006, 8144-8145, 9225, 9234
Neri, D. 4744
Neri, P. 6187
Nerson, H. 1469-1470, 4185, 5728
Nes, W. D. 7053
Nešković, M. 3647
Nessler, C. L. 8089
Nestby, R. R. 8601
Nesterov, Ya. S. 4670
Nesti, E. 6400
Neszmelyi, A. 3808
Netherlands, CAD-Gewasbescherming 3965
Netherlands, Commissie voor de Samenstelling van de Rassenlijst voor Landbouwgewassen 3921
Netherlands, Proefstation voor de Bloemisterij 3917
Netherlands, Proefstation voor Tuinbouw onder Glas 7160
Netzer, D. 1471
Neubeller, J. 3979
Neuendorff, E. W. 2033
Neuenschwander, P. 8670
Neumaier, E. E. 1008, 1651
Neumann, P. M. 2131
Neumann, S. 6410
Neury, G. 3942
Neves, J. C. L. 7520
Neves, M. C. P. 2858, 3413-3414, 4214-4215
Nevin, J. M. 2488
Nevryanskaya, A. D. 845
New Zealand, Agronomy Society of New Zealand 7
New Zealand, Levin Horticultural Research Centre 1892
New Zealand, Ministry of Agriculture and Fisheries 734
Newbury, H. J. 1982
Newcomb, W. W. 8392
Newell, W. R. 3437, 5810
Newman, E. I. 1262
Newman, J. P. 7830-7831
Newman, S. E. 2280, 6788
Newport, M. 1246
Newstrom, L. E. 5705
Neyroud, J. A. 222
Nezu, Y. 5161
Ng, C. C. 5358
Ng, H. 7645
Ng, K. H. 1748
Ng, K. M. 1778, 8115
Ng, T. B. 2398, 2401, 3034, 3100
Ngadjui, B. T. 6213
Ngounou, F. N. 1151, 2406
N'Guessan, A. 704
Nguyen, P. 1713
Nguyen, R. 9263
Nguyen, T. T. 3302
Nguyen, V. Q. 7737-7738
Nguyen, X. V. 1955
Nguyen Huu Khoi 626
Nguyen Ngoc Svong 626
Nguyen-Thé, C. 6497
Nhiri, M. 5174
Ni, D. X. 1003
Ni, Y. J. 271
Niamskul, C. 1246
Nica, O. 2628
Nicese, F. P. 7402
Nicholaides, J. J., III 4213
Nicholas, J. R. 4628
Nicholas, P. R. 7385
Nicholls, K. W. 5191
Nichols, W. C. 82
Nicholson, H. 5069
Nicholson, N. 5069
Nicholson, R. 3642
Nicholson, R. I. D. 8293
Nicol, M. Z. 2080
Nicolaeva, L. A. 6220
Nicolas, J. 1361
Nicole, M. 1849
Nicoletti, M. 581, 587, 4479, 9119
Nicoli, G. 179
Nicoll, M. F. 2721
Nicolosi, G. 1171
Nicolosi-Asmundo, C. 4546
Nicosia, O. L. D. 3926
Nicosia, O. li D. 3138
Niculescu, F. 2095
Nie, R. L. 6921, 9160
Nieder, G. 8641-8642
Nielsen, E. 6758
Nielsen, S. L. 1362, 6447, 6475
Nieman, R. H. 7723
Nieminen, S. 9123
Niendorf, K. B. 8388
Nienhuis, J. K. 8667
Nier, W. 3366
Niers, H. 8981
Nieuwhof, M. 6815, 8984
Nieves, M. 5904
Nigam, K. B. 1156, 1755
Nigam, S. K. 3733
Nigam, V. N. 6472, 7279
Nigeria, Cocoa Producers' Alliance 5375
Nigeria, Nigerian Institute for Oil Palm Research 8384
Niggli, U. 7230, 7475, 8617
Nihira. J. 6643
Nii, N. 2678
Niimi, Y. 149, 2284

Niino, K. 3025
Nijaki, J. 8807
Nijjar, G. S. 4007, 5314, 7024, 8545
Nijskens, J. 8409
Nikitenko, S. S. 2078
Nikitina, S. M. 2794
Nikolaev, S. M. 1701
Nikolaeva, N. Ya. 1044
Nikolajsen, H. 5458
Nikolau, B. J. 4981, 7806
Nikolić, M. 107, 1973
Nikolla, A. 2897
Nikoloff, A. S. 948, 7702
Nikolov, D. 2738
Nikolov, I. 7742
Nikolov, N. B. 5481
Nikolova, G. 5520
Nikolova, M. 7455
Nikonov, G. K. 1780, 3084, 3811
Nikova, B. 1879
Nilsson, L. A. 6063
Nilsson, T. 7562-7563
Nink, T. 1609
Nir, G. 7434
Nirmala Kannan 6303
Nisa, M. 2375, 9128
Nisbet, S. K. 7169
Nisen, A. 8409
Nishi, K. 3721
Nishi, M. 6921
Nishi, Y. 9190
Nishibe, S. 1091, 5237, 5242
Nishida, H. 7585
Nishida, I. 902, 1482
Nishida, K. 5061
Nishida, M. M. 3608
Nishida, T. 2671
Nishiguchi, S. 1090
Nishijima, K. A. 7088
Nishijima, W. T. 5329
Nishimoto, N. 6895
Nishimura, G. 6713
Nishimura, H. 9116
Nishimura, M. 1425, 1466, 6660
Nishimura, O. 4024, 4033
Nishioka, I. 411, 1732, 2407, 2424, 4724, 5200, 6169, 6836, 6979-6980, 8016, 8084, 8611, 9198
Nishitoba, T. 6197
Nishiya, K. 2451
Nishizawa, K. 6926
Nishizawa, M. 2407, 2424, 2575, 9156
Nissen, R. J. 678-679, 1383, 3164, 3866, 4563, 8229-8230, 8232, 8365, 8540
Nistrup Jørgensen, L. 8686
Niță, M. 7282
Nitranský, Š. 794, 1309, 1328, 1969, 3275
Nitsche M., J. 1346
Nitz, S. 2316
Niwa, M. 2429
Nixon, K. W. 4405
Niyogi, S. K. 9149
Njaa, L. R. 1555
Njuguna, C. K. 3194
Noat, G. 8715
Nobel, P. S. 1026, 1682, 2320
Nobeli, C. 9255
Noble, R. 5934, 8941
Nobuka, T. 6396
Nock, L. P. 2792
Noda, N. 1143, 8063
Noel, G. R. 2631
Noga, G. J. 1993
Noguchi, A. 4100
Noguchi, H. 1461, 2448
Noguera, V. 8887
Nohara, T. 2377, 3735, 5216
Noiton, D. 1252
Noleau, I. 7954
Nomoto, K. 1672, 2324, 9214-9215
Nomura, S. 1100
Nomura, T. 1091, 2384
Nomura, Y. 8723
Nonaka, G. 8611, 9198
Nonaka, G. I. 2407, 2424, 4724, 5200, 6979-6980
Nongonierma, R. 5233, 6994
Noni, R. de 5574
Nonnen, H. 7451
Nonnenmacher, G. 3778
Nonoyama, Y. 6731
Nooh, A. 1035
Noord, J. de 8406
Noordam, A. 8888
Nordby, H. E. 1205, 1652
Nordestgaard, A. 6123
Nordström, A. C. 4931
Norman, J. M. 1613
Norman, S. M. 6256
Noro, T. 9117
Noronha, A. B. 7996
Nørremark, I. 6022, 8959
North, M. 120
North, R. C. 7673
Northover, J. 3268, 3340
Norton, B. 7201
Norton, C. R. 401, 6101
Norton, G. 9361
Norway, Norwegian Agricultural Advisory Centre 2578
Norway, State Seed Testing Station 7135
Nosal, K. 7232
Nosova, L. L. 4177
Nosul'chak, V. A. 3084, 4073
Noto, G. 6724
Notodimedjo, S. 774
Notter, D. 2334
Nottiani, G. 8218
Nouchi, I. 8769
Nougaréde, A. 277
Nourai, A. H. 5645
Novais, R. F. 7102, 7520
Novak, F. 8248-8249
Novák, F. J. 8985
Novák, J. 3099, 3788
Novak, V. A. 8434
Novaretti, W. R. T. 8338-8340
Novello, V. 7404
Novikova, N. E. 4917
Novikova, V. M. 6056
Novina, R. 5135
Novitskaya, G. V. 937, 2142
Novotorova, D. A. 893
Novruzov, E. N. 4028
Nowacka, H. 1290, 6444
Nowacki, G. 1034
Nowacki, J. 5472
Nowak, J. 5057
Nowak, T. J. 7719
Nowosielska, B. 2789-2790
Nowosielski, O. 2909, 7453
Noye, G. 4032
Nozaka, T. 2437
Nozoe, S. 5147
Ntezurubanza, L. 1676, 3684
Ntogras, K. 2889
Nucifora, A. 6724, 6779, 7189, 7456, 8958
Nuez, F. 8872
Nugent, J. H. A. 4259, 5818
Nukhimovskii, E. L. 1768
Nukul, G. S. 1137
Numata, A. 2987
Núñez de Castro, I. 2920
Nuno, M. 2453, 3056
Nurdin, M. S. 8255
Nurtazina, N. Yu. 2712, 8599
Nuryani, Y. 6126
Nurzyński, J. 305, 307
Nusipbekova, K. 3084
Nuyten, H. 6527
Nwaiwu, J. I. 1775, 5168
Nyárádi-Szabady, J. 3719
Nyasse, B. 2376
Nybe, E. V. 3659
Nyhlén, Å. 6464
Nyirenda, H. E. 3892
Nyman, L. P. 454, 3608, 6867
Nyriankuliza, S. 2446
Nyújtó, F. 2650-2651
Oakford, M. 2640
Oana, M. 7380
Obaedi, J. F. W. Al- 3698
Obama, S. 225
Obanda, A. M. 3204
Obanda, M. A. 5350
Obaseki, A. O. 6918
Obdržálek, J. 2982
Obendorfer, J. 7839
Oberhammer, A. 3207
Oberhofer, H. 3208
Oberly, G. H. 1345
Oberti, J. C. 5206
Obiefuna, J. C. 3182
Obisesan, I. O. 9368
Oblak, M. 2031
Obminskaya, T. K. 2045
O'Brien, W. 8148
Obrucheva, N. V. 5787
Obukhovskaya, L. V. 8823
Ocampo, J. A. 1066, 5799
Ochatt, S. J. 4719, 7283
Ochi, M. 3872
Ochieng, P. O. 6273
Ochs, R. 9367
Oda, K. 6197
Oda, M. 6713, 6729
Oda, Y. 9117
O'Dell, C. R. 829
Odell, G. B. 4950
Odenthal, K. P. 1736
Odhiambo, H. O. 3200
O'Donoghue, E. M. 3306, 5543
O'Donovan, G. A. 8909
Ódumanova-Dunaeva, G. A. 1678
Oelmüller, R. 8433, 9061-9062
O'Farrell, P. J. 5295, 7057, 7059
Ofer, I. 5276
Offenbach, R. 4318
Offer, B. V. 650
Oganesyan, G. B. 3817
Oganesyan, N. A. 6136
Ogašanović, D. 4017
Ogata, C. 2457
Ogata, G. 7723
Ogata, K. 3763
Ogawa, J. M. 1033, 5523
Ogawa, M. 6818
Ogawa, T. 1554, 1615
Ogbeide, O. N. 2444
Oggiano, N. 6382
Oggionni, F. 167
Ogihara, Y. 1141, 1737
Ognjanov, V. 806
Ogren, W. L. 4121
Oguchi, H. 2365
Ogundaini, A. O. 1758
Ogunlela, V. B. 5843
Oguntimein, B. O. 1745, 6282, 8045
Ogura, K. 3391
Ogura, Y. 6391
Oh, B. R. 8747
Oh, J. Y. 5587
Oh, S. D. 4694
Oh, S. M. 2151, 3686
Ohara, T. 900
Ohba, M. 2342
Ohbayashi, N. 8738
Ohenoja, E. 1094
Ohgushi, R. 7248
Ohizumi, Y. 1153, 9214-9215
Ohkawa, K. 404
Ohkubo, C. 2441
Ohkura, T. 3074
Ohkura, Y. 1173
Ohmachi, K. 7865
Ohmoto, T. 1100, 1760, 2415
Ohmura, K. 607, 8104
Ohni, Y. 2340
Ohnishi, A. 622
Ohno, N. 1134-1135
Ohno, T. 3098
Ohr, H. D. 2468
Ohsawa, M. 1135
Ohshima, Y. 3798
Ohta, T. 5133
Ohta, Y. 2914, 3486
Ohyama, T. 6817
Oikawa, S. 1134-1135
Oinaka, T. 2426
Ojalvo, I. 4231
Ojha, A. P. 8282
Oka, Y. 1554
Okabe, H. 3045
Okabe, M. 1143
Okada, H. 5180
Okada, N. 5180
Okada, S. 9184
Okada, Y. 637
Okafor, E. O. 1758
Okafor, J. C. 6238
Okamoto, K. 6395, 9276
Okano, M. 8031, 9126
Okayama, S. 1425
Okazaki, T. 1097
Okazaki, Y. 2353, 3730
Okhrimenko, M. F. 967
Okie, W. R. 1986
Okinaka, T. 9029, 9045
Okitsu, T. 2437
Okon, Y. 5892
Okrostsvaridze, T. D. 5568
Oktay, M. 652
Okubo, H. 4096
Okuda, H. 1212, 3050
Okuda, T. 1063, 1091, 1212, 6913
Okugie, D. N. 7597
Okunade, A. L. 9088
Okunji, C. O. 3762
Okuyama, E. 3165
Okuyama, S. 420
Okwuasaba, F. 608, 2421, 3102-3104, 4516
Okwuasaba, F. K. 2409, 2420
Okwuowulu, P. A. 6135
Okwute, S. K. 6902
Oladeji, E. O. 4576
Oladokun, M. A. O. 2554
Olaeta, J. 2495
Olaeta, J. A. 2501
Olaifa, J. I. 9088
Olaofe, O. 4576
Olar, P. 4012
Olasantan, F. O. 6646
Olasz, Z. 1942
Olatunji, O. A. 5178
Olbrich, A. 3094
O'Leary, A. L. 3249, 6451
O'Leary, M. H. 7896
Oleszek, W. 6896, 8520
Olien, W. C. 756, 3947
Oliva, M. A. 6669
Oliva, R. N. 7807
Olivain, C. 8650-8651
Olivari, C. 3390
Oliveira, A. A. R. 8189
Oliveira, A. B. de 4495, 8025
Oliveira, D. A. 4579
Oliveira, F. de 6895
Oliveira, J. de 8129
Oliveira, M. M. 8595
Oliveira, V. P. de 8244
Oliver, D. J. 6694
Olivier, J. M. 1274
Oliviera, E. 4580
Ollagnier, M. 9367
Olmedo, M. J. 6550
Olschwang, D. 1119
Olsen, J. I. 9085
Olsen, K. N. 2484
Olsen, R. 430
Olson, B. D. 2632
Olson, J. L. 1456
Olson, K. A. 8542
Olson, M. H. 8227
Olson, W. H. 2015
Olsson, E. A. 2015
Olszewska, M. J. 3427
Olszewski, T. 6432-6434
Olszyk, D. M. 7153
Olufolaji, A. O. 7815
Olympio, N. S. 8296
Om, H. 2107
Om Prakash 9360
O'Mahony, M. 3845
O'Malley, M. A. 4831
Omar, A. A. 2360, 5175
Omarov, M. D. 8225-8226
Omata, A. 5133
Omel'chenko, I. K. 5430

Omer, S. J. 5852
Ometsinskaya, Z. I. 7797
Ometsinskiĭ, P. I. 317, 7579
Ometto, D. A. 695
Omoto, K. 9186
Omran, M. S. 6248
Omura, M. 3162-3163, 6276
Onajobi, F. D. 2408
Önal, İ. 2582, 8875
Onawunmi, G. O. 3675
Ondráčková, O. 278, 4429
O'Neill, M. J. 5227, 6153
O'Neill, T. M. 4781
Onisei, T. 8029
Onishchuk, I. A. 4072
Onizuka, Y. 4529
Ono, M. 1143, 2288
Onoğur, E. 4802
Onsando, J. M. 1449, 3197
Onstad, D. W. 2632
Onwubuke, S. N. 6238
Onwuchekwa, U. A. 3762
Oohara, M. 4501-4502
Ookubo, K. 3205
Oosten, A. A. van 2025, 7345
Oosterhuis, D. M. 7029
Oosthuizen, J. H. 1351
Ooya, M. 5150
Opanasenko, N. E. 745
Opar', F. A. 7376
Opatrná, M. 2200
Opgenorth, D. C. 5523
Oppenheim, J. D. 8934
Opritov, V. A. 6659
Öquist, G. 8389
Oravec, V. 3015, 5113
Orbey, M. T. 3760
Orchard, J. E. 9319
Orcutt, D. M. 5469, 6370
Orczyk, W. 7590
Orekhova, V. P. 3987
Orengo-Santiago, E. 4939
Oreshkina, N. Ya. 4911
Orihara, Y. 5305
Orishchenko, N. D. 1111
Orive, R. J. 6418
Orkor, D. 2444
Orkwor, G. C. 6135
Orlandini, M. 8712
Orliac, F. 2903, 3489
Orlikowska, J. 2726
Orlikowski, L. B. 5968
Orłowski, M. 2828, 4163-4165, 4882, 5102, 5696-5697, 5722
Orme, E. O. 4543
Ormrod, D. P. 1641, 8841
Ormrod, J. C. 1589
Ornduff, R. 4442
O'Rourke, E. N., Jr. 1604
O'Rourke, M. K. 9224
Orozco Santos, M. 8190
Orphanos, P. I. 651
Orsenigo, J. R. 9381
Ortega, C. 6615, 6732
Ortega, J. 6289
Ortega, J. R. 970
Ortega, R. B. 9142
Ortiz, J. M. 657, 1204
Ortiz-Alvarado, F. H. 4182
Ortiz-Cañavate, J. 7405
Ortoidze, T. V. 2079
Ortolani, A. F. 9344
Os, E. A. van 8839
Os, P. van 450
Osafo, D. M. 8296
Osakabe, M. 8196
Osawa, E. 3074
Osawa, K. 2344
Osawa, T. 3785, 5244, 6212
Osborn, T. C. 7619
Osborne, D. J. 2132
Osborne, L. S. 1596, 2971, 3586, 7892, 7924
Osborne, R. 2292
Oscarson, P. 2140
Osei-Bonsu, K. 6297
Oshikiri, S. 2366
Oshima, Y. 4484, 4505, 4533, 5207
Oshiro, Y. 6337
Osipova, L. V. 6525
Osipova, Z. F. 2036
Osman, A. K. 8791
Osman, G. Y. 6744
Osman, O. A. 5851
Osman, S. M. 1162, 3120
Osmani, Z. 5146
Osmanov, Z. 3095
Osmonalieva, K. N. 8873
Osmond, C. B. 916, 3596, 7896
Osore, H. 6236
Osovskaya, G. V. 3696
Osseni, B. 704
Ossom, E. M. 7597
Ostapenko, K. I. 7212
Oster, J. D. 5257
Oster, U. 4440
Ostermann, J. 5538, 6532
Ostreĭko, S. A. 5511
Ostrowska, K. 5427
Ostrowski, W. 5427
Ostrožlík, M. 2610, 2705, 3484, 8915
Osunde-Macfoy, O. 8860
Othieno, C. O. 3196, 5350, 9401-9402
Otomo, E. 749
Otsuka, H. 554, 9138
Otsuka, Y. 2425
Otto, B. 390
Otto, B. E. 1340
Otto, J. 3366
Ottolini, P. 1393
Ottosen, C. O. 6801, 7900
Ou, P. 1805, 6257
Ouden, H. den 8727, 8729, 8923
Oura, H. 1170, 2411, 9198
Ouseph, T. 8312
Outer, R. W. den 6750
Ouvrier, M. 2552
Ovcharenko, G. A. 929
Ovdak, M. M. 2840
Ovdak, N. M. 2840
Ovdienko, O. A. 1587
Overbeeke, J. M. van 5479
Overbeeke, J. van 7271
Overcash, J. P. 793, 798
Overton, S. V. 5469
Ovezdurdyev, A. 1106, 3051
Ovezliev, A. O. 4073
Ovrutskaya, Z. G. 7667
Ovsyannikov, A. S. 2617, 2723
Oworah-Nkruma, R. 3366
Owuor, P. O. 1869, 3196, 3204, 5350, 6359, 9401
Oxborough, K. 8818
Oyanagi, M. 3085
Oyarzún, M. L. 7922
Øydvin, J. 2613, 5508
Ozawa, T. 40, 3056, 6047, 6357
Özçağıran, R. 7285
Özel, M. 2770, 3141
Özelkök, S. 8564
Ozimina, I. I. 1702
Ozoukou, Z. F. 1086
Özsan, M. 645
Özzambak, E. 7510
Paassen, D. van 8406
Paaver, U. V. 5123
Pacetto, M. 5849
Pachaly, P. 1643
Pacheco, R. 7956
Packham, N. K. 8819
Packman, L. C. 5809
Padhya, M. A. 3592
Padilla Pérez, M. 1232
Padmaja, V. 8961
Padman, C. V. R. 9362
Padmasiri, M. H. L. 688
Pados, P. 3394
Padovan, A. 7401
Padrón, C. 1860
Padwal-Desai, S. R. 1418
Pae, D. H. 5853
Paek, K. Y. 228, 2832, 5028, 5352, 6059, 7108
Pagano, S. N. 7112
Page, A. L. 242, 6605, 7505, 7750
Paggiaro, C. M. 8336-8337
Paglietta, R. 5542
Pahup Singh 5223, 6956
Pai, K. U. 923, 8782
Pais, I. 6734-6735, 7770
Pais, M. S. 6914
Pais, M. S. S. 3593, 5066, 5068, 8595
Paiva, R. L. R. 8025
Pakeeraiah, T. 4817, 4949
Paknikar, S. K. 7979
Pakrashi, A. 9163
Pakrashi, S. C. 1661, 5228, 8019
Pakrasi, H. B. 3226
Pal, A. K. 9163
Pal, M. 7941
Pal, P. 8294
Pal, R. K. 4061
Pal, R. N. 5320, 7083, 8292
Pala, E. 822
Palada, M. C. 7536
Palakshappa, M. G. 1764
Palanichamy, S. 4481
Palanisami, V. 8278
Palara, U. 6495
Palavan-Ünsal, N. 921
Palazón Español, C. 291
Palejwala, V. A. 2557
Palevitch, D. 3031
Palevitz, B. A. 2094, 7482
Pálfi, G. 2073
Palić, R. 5136
Paliyath, G. 2205
Palkin, Yu. F. 2117
Pallanza, G. 4198
Pallas, J. E., Jr. 373
Pal'm, G. G. 890
Palmer, J. D. 7826
Palmer, J. W. 59, 825
Palminha, J. M. C. 7776
Palzkill, D. A. 9231, 9235, 9239
Pamin, K. 8298, 9363
Pan, D. 213
Pan, P. 2181
Pan, R. L. 8705
Pan, S. M. 205
Panagopoulos, C. G. 6565
Panaitescu, E. 2628
Panaszek, B. 2655
Pande, N. C. 4601
Pande, Y. D. 3880
Pandeliev, S. 2062, 2064
Pandev, S. 306
Pandey, B. 6974
Pandey, D. 4061
Pandey, I. C. 4565
Pandey, J. C. 8487
Pandey, N. 4817
Pandey, R. M. 4799, 7087, 7941
Pandey, U. B. 3362, 8683
Pandey, U. C. 4982, 7570, 8852
Pandey, U. K. 526
Pandey, V. B. 1876, 2418, 6182, 6224, 6949-6950, 7003-7004
Pandini, F. 4727
Pandita, M. L. 7474, 7790-7791, 8852
Pandita, P. N. 8002
Pandita, V. K. 8521
Pandiyan, M. 697
Pandolfo, F. M. 6026
Pandu, S. R. 4595
Pandy, U. B. 4115
Panea, E. 2053
Panebianco, R. 2446
Panfilova, T. A. 5874
Pang, G. M. 3821
Pang, Z. J. 1127
Pangelova-Shch"rkova, İ. 8572
Pangelova-Shturkova, I. 8572
Panichapong, S. 1246
Panigai, L. 21
Panigrahi, S. 8414
Panizza, S. 3741
Panjaitan, A. 9372
Pank, F. 1157
Pank, J. C. 7717
Pankaja, N. 1268
Pankotai, A. 3470
Pankotai, M. 6650
Pankov, V. V. 7361
Pankrat'eva, L. S. 4072
Pankratov, V. P. 4431
Pannell, L. K. 7142, 8103
Pannelli, G. 2538
Pannu, B. S. 3190
Panosyan, G. A. 6136
Panova, L. N. 4413
Pant, A. 6139
Pant, A. K. 513, 6139, 9089
Pant, G. 5208, 6958
Pant, N. 4679
Panteev, A. V. 4055
Panther, D. 4570
Panthong, A. 1186, 1698
Pantielev, N. Kh. 358
Pantulu, A. J. 8932
Panwar, M. S. 5208, 6958
Pap, D. 7723
Papadakis, J. G. 4313
Papadēmētriou, M. D. 2735
Papadopoulos, A. P. 2166
Papadopoulos, I. 331, 2737
Papageorgiou, V. P. 1155, 7983-7985
Papanikolaou, E. P. 9255
Paparozzi, E. T. 3559, 4361
Paphassarang, S. 6977
Paponov, A. N. 4179
Papp, J. 1946, 3958, 6708
Papp, K. 6734
Pappas, T. 4351
Pappiah, C. M. 2819, 7511
Pappin, D. 5809
Pappin, D. J. C. 7660
Papuc, A. 2663
Parada, C. R. 7153
Paradizova, S. S. 5525
Parafita, M. 8057
Parameswaran, T. N. 1679
Paramore, J. A. 738
Paratore, A. 6724
Pardede, D. 9324
Pardossi, A. 8854
Paredes, L. 5209
Paredes C., M. 5746
Pareek, B. L. 8754, 9039
Parena, S. 7400
Parent, L. E. 8885
Pargney, J. C. 4349
Paria, N. 501
Parikh, H. R. 2557
Paris, H. S. 1469-1470, 4196, 5728
Paris, J. 6403
Parish, R. L. 1857
Pârjol-Săvulescu, L. 4229
Park, C. H. 6648
Park, C. S. 3399, 7603
Park, E. H. 5044-5045
Park, H. G. 5632
Park, H. M. 7246
Park, J. M. 4694
Park, K. H. 3423
Park, M. H. 722, 2324
Park, S. H. 3560
Park, S. W. 4739
Park, Y. J. 5044-5045
Párkányi, C. 5122
Parker, M. L. 7029
Parker, R. 8393
Parkhurst, D. F. 8672
Parkinson, M. 1253
Parmar, A. S. 4728
Parmar, N. S. 3655, 6186
Parmar, V. S. 1774, 9095
Parmeter, J. R., Jr. 1033
Parnia, C. 2664
Parr, A. J. 3067
Parrella, M. P. 7830-7831
Parrilli, M. 1150, 5046
Parrini, C. 5022
Parrini, F. 5009
Parry, M. A. J. 4227

Parry, O. 608, 2409, 2420-2421, 3102-3104, 4516
Parschau, S. 1453
Parsons, L. R. 1793, 3131
Parys, E. 3456, 4240, 8805
Paşca, F. 2628
Paşca, I. 2628
Pascard, C. 3733
Pascual, B. 7548
Pascual Teresa, J. de 5112
Paseshnichenko, V. A. 9148
Pasha, M. K. 9102
Pashkar, T. 2150
Pas'ko, E. A. 142
Pasko, P. 1445
Paspatis, E. A. 4078
Pasqualone, S. 3927
Passannanti, S. 4507
Passey, A. J. 806, 5443
Passos, F. A. 7616
Pasterkamp, H. P. 2956, 6033, 8980
Pasternak, D. 4636
Pastor, J. J. 8887
Pastor Muñoz-Cobo, M. 9288
Patarava, B. D. 1241, 1873, 8361
Patch, D. 1885
Patel, C. C. 3471
Patel, C. L. 864, 4110
Patel, D. P. 2120
Patel, D. S. 1539
Patel, H. R. 3471
Patel, J. 3701
Patel, J. C. 1058
Patel, J. D. 3224, 7149
Patel, J. J. 2120
Patel, K. R. 2567
Patel, P. K. 3442
Patel, R. 5345
Patel, R. B. 864, 4110
Patel, R. C. 1539
Patel, Z. G. 864, 4110
Patel, Z. P. 8756, 9351
Paterniani, T. 6005
Paternostro, M. P. 4507
Paternostro, O. de C. 6299
Paterson, V. J. 5291
Pathak, A. N. 6121
Pathak, N. K. R. 6949
Pathak, R. A. 7038, 8652
Pathak, R. K. 9412
Pathak, R. P. 3767, 3792, 5213, 9161
Pathak, V. N. 1414
Pathan, I. H. 2667
Patience, P. A. 3626, 4439
Patil, A. A. 7569, 7948
Patil, B. R. 3665
Patil, C. S. 8840
Patil, H. B. 7569
Patil, J. D. 7479, 8739
Patil, M. D. 3889
Patil, M. R. 4933
Patil, N. D. 3889
Patil, P. K. 7052
Patil, R. B. 9055
Patil, R. S. 7479
Patil, V. K. 2070-2071, 3338, 3828, 7052
Patil, V. N. 4933
Patiño C., H. 6279
Patnaik, G. K. 1691, 3088
Patra, A. 4532
Patra, H. K. 3651
Patt, J. M. 1628
Patten, K. D. 2033
Pattenden, G. 2173
Patterson, G. R. 9318
Patterson, M. E. 82
Patterson, S. J. 7883
Patwardhan, M. V. 1526, 6886
Pätzold, G. 1928, 3920, 5433
Paul, J. L. 423
Paul, K. B. 5679
Paul, N. J. 3039
Paul, Y. 1467, 4896, 4934, 7512
Paulík, V. 3640
Paulin, A. 376, 378, 991, 8951
Paulin, D. 8253, 9332
Paulitz, T. C. 3399, 7603
Paull, R. 395
Paull, R. E. 2531-2532, 2576, 7964
Pauly, G. 5279
Păun, E. 3030
Paunović, S. 1990
Pavan, M. A. 5461
Paviot, J. 2481
Pavis, S. E. 6513
Pavlenko, F. A. 1244, 4002
Pavlenko, L. V. 2618
Pavlov, A. 2059, 2065, 4794
Pavlov, I. N. 7913
Pavlov, L. V. 3510
Pavlova, A. 7767
Pavlova, V. P. 893
Pavlović, S. 5127, 5226
Pawar, A. D. 6345, 8341, 9395
Pawar, D. B. 4902, 5643, 6714, 8862
Pawar, H. K. 3665
Pawar, V. M. 4512
Pawastien, P. 1516
Pawliczuk, Z. 5968
Pawlik, M. 89
Payá, M. 8101
Payne, F. A. 2890, 7730
Payne, G. F. 6929
Payne, J. 1116, 2378
Payne, J. A. 8567
Payne, N. N. 6929
Paz, J. M. 8057
Paz Suarez, M. 797
Peacock, M. E. 4356
Peacor, D. R. 3612
Pearce, D. 2144, 9282
Pearson, K. 83, 4710, 6461
Peary, J. S. 7847
Pech, J. C. 1348, 2028, 3908
Peck, N. H. 868
Pécora, R. P. 2190
Pedersen, T. J. 7509
Pedrón, N. 2402
Pedroso, J. 3807
Pedrozo P., J. A. 6988
Peel, H. B. 5620
Peeler, T. C. 5825-5827
Peet, M. M. 895
Pegg, K. G. 2480, 2482, 8163
Peggie, I. D. 1305
Peiper, D. 2209
Peiper, U. M. 4641
Peirce, L. C. 8878
Pejčinović, D. 4804, 5136
Pejkić, B. 1310
Pek, H. H. 4946
Pelissier, Y. 1086, 1142
Pellecuer, J. 8094
Pellenc, R. 1303
Pellerin, F. 2452
Pelletier, J. 8665
Pelletier, S. W. 1730, 9109, 9213
Pellett, N. E. 3632
Pellissier, Y. 8094
Pellizzi, G. 7132
Pelsmaeker, M. de 4782
Pelt, J. M. 2334, 3107
Peña, C. 5087
Peña, J. 5093
Pena, J. E. 8999
Pena Betancourt, S. 5225
Peñalosa, J. M. 5903
Peñalosa Olivares, J. M. 5889
Peñarrubia, L. 9266-9267
Pendharkar, M. B. 4445
Penel, C. 4129, 7501, 8708
Peng, A. C. 257, 1484
Pen'kov, L. A. 5639
Pennacchio, F. 8645
Pennell, D. 4998
Pennone, F. 4714
Penot, M. 8960
Pepin, G. W. 4382
Pera, A. 3540
Pera, J. 5563
Perán, E. 1076
Perane, R. R. 8848
Percehais, S. 6156
Percivall, A. L. 889
Percy-Smith, A. 8922
Pereira, A. L. G. 8186
Pereira, A. V. 1226
Pereira, E. B. C. 1226
Pereira, J. C. 4211
Pereira, J. C. R. 7095-7097
Pereira, P. A. A. 4217
Perepadya, Yu. G. 2698
Perepelitsa, A. P. 784
Perepelova, O. M. 562
Perera, P. 8736
Perestelo, F. 7178
Perez, A. J. L. 4218
Pérez, C. 1122
Pérez, G. 1855, 5087
Pérez, H. 6339
Pérez, I. 1779
Pérez, J. A. 8237
Pérez, L. 1231, 6334
Pérez, M. L. 7178
Pérez, O. 6334
Pérez-Alonso, M. J. 7987
Perez Francés, J. F. 8239
Pérez Harvey, J. 7428
Pérez I., H. 1233
Pérez Iglesias, H. 5338
Pérez Iglesias, H. I. 715
Pérez-Zúñiga, F. J. 477
Perkins, L. M. 1038
Perl, M. 4816
Perotti, M. 5030
Perpick-Dumont, M. 2396
Perret, P. 4076
Perrin, P. S. 4989
Perrin, P. S. G. 5934
Perring, M. A. 83, 4710, 6461
Perrino, P. 5770
Perrot, A. J. 5405
Perry, E. 6115
Perry, R. S. 5718
Perucca, M. 6740
Perus, M. 2827
Pervushina, P. A. 4003
Peryea, F. J. 5461
Peryshkina, G. I. 3673
Pesando, D. 9152
Pesce, S. 6242
Pesis, E. 3160
Pessarakli, M. 8899
Pessoa, O. F., Jr. 696
Pestchanker, M. J. 5197
Pestemer, W. 1630
Peter, C. 8844
Peter, G. F. 4921
Peter, K. V. 7710
Peters, M. A. 4102
Peters, P. 1454
Petersen, C. J. 2961
Petersen, M. 6190, 9139
Petersen, R. L. 8799
Peterson, C. A. 1417, 2603
Peterson, D. L. 78, 1963, 4036
Peterson, J. C. 5990
Peterson, L. A. 2034
Peterson, L. A 8751
Peterson, M. P. 1613
Peterson, R. L. 8800
Peterson, R. M. 8633
Petkov, G. D. 3344
Petnga, E. 7076
Petracek, P. D. 5688
Petrányi, I. 7665
Petrash, A. D. 7231
Petre, M. 4216
Petrenko, G. T. 1689
Petrenko, T. F. 2706
Petri, G. 1695, 2371, 3711, 3732
Petri, J. L. 772
Petričić, J. 5135
Petrlík, Z. 6890
Petró, O. 3516
Petrosova, L. A. 4895
Petrov, A. P. 832, 2746
Petrov, D. 4176
Petrov, P. I. 4441
Petrová, E. 2221
Petrová, I. 4364
Petrova, R. 3412
Petrovic, A. M. 425
Petrović, N. 7454
Petrovich, I. V. 7378
Petruchuk, T. E. 4953
Petsom, A. 9142
Petter, E. de 2973
Petterson, D. S. 3331
Pettipher, G. L. 3529, 4993, 9331
Pettit, G. R. 1118, 1727
Pettitt, B. C., Jr. 4581
Petty, G. J. 7093
Pety, C. A. 161
Pety, C. A., Jr. 5857, 7722
Petzold, U. 5774, 8798
Peumans, W. J. 1627, 4489, 8968
Peura, P. 1269
Peyre, J. B. 7502
Peyronnet, R. 7502
Pezeshki, S. R. 7726
Pezet, R. 1387
Pezza, L. 7403
Pezzarossa, B. 4735
Pezzi, F. 3938
Pezzuto, J. M. 9114
Pfeifer, S. 6987
Pfeiffer, C. M. 5246
Pfeiffer, D. G. 1396
Pfündel, E. 3421
Phadnawis, B. N. 5183
Pharadai, K. 8113
Pharis, R. P. 387, 2144, 5926, 9282
Pharr, D. M. 1480, 2121
Phatak, S. C. 4097
Phelps, K. 2927
Phene, C. J. 8749
Phiet, H. V. 507
Philianos, S. 576, 1069, 1716, 5128
Philip, T. 2891
Philip, V. J. 5107-5108
Philipsen, H. 8922
Phillips, D. A. 3460
Phillips, G. C. 7146
Phillips, J. G. 4035
Phillips, P. A. 2485, 9253
Phillips, R. 7508
Phillipson, J. D. 5227, 6153
Philogène, B. J. R. 1082
Phiri, G. S. N. 720
Phogat, B. S. 3188, 9387
Phutela, R. P. 362
Piattelli, M. 1171, 6187
Picard, D. le 1537
Picci, V. 6861, 6883
Piccinelli, D. 3072
Piccini, J. L. 1419
Picconi, T. 374
Picha, D. H. 336, 346
Picha, P. 8091
Pick, U. 6617
Pickering, N. 1379
Picquot, P. 7876
Pieber, K. 4713, 4716
Piekos, R. 2314
Piens, G. 472, 7930
Pieribattesti, J. C. 6140
Pierik, R. L. M. 2979, 5363
Pierskalla, W. 5417
Pieters, J. H. 4839
Pieters, L. A. 8107
Pieters, L. A. C. 3083
Pieterse, W. 5579
Pietkiewicz, S. 6755
Pietta, P. 6198
Piglionica, V. 5597
Pijlen, J. G. van 4863
Pijnenburg, H. 6613
Pike, L. M. 4113
Pilař, J. 2270
Pilatti, R. A. 345
Pilavci, O. 5909
Pill, W. G. 318, 6770
Pillai, G. G. 9335
Pillai, K. R. 8314
Pillay, V. S. 9058
Pilone, N. 6539
Pimenov, M. G. 3079, 3081
Pimentel, C. P. V. 8244
Pimentel, J. P. 5862

Pimentel, R. B. 6317
Pimpini, F. 4396, 4955, 6751, 6753
Pincemail, J. 1115, 3764
Pincot, A. 8749
Pindel, Z. 393, 7895
Pinese, B. 7061-7062
Piñeyro, A. 5201
Pinfield, N. J. 1483
Pinkas, M. 5634
Pinkau, H. 5680
Pinkava, D. J. 7825
Pintar, A. 4198
Pintér, I. 2191
Pinto, A. 4473
Pinto, J. M. 2857
Pinto, L. R. M. 9323
Pinto, M. M. M. 6976
Pînzaru, G. 7959, 8080
Pinzauti, M. 1375, 5567
Piozzi, F. 4507, 6231, 6996
Pippas, B. I. 2769
Pippas, V. I. 2069
Pire, R. 1385-1386
Pire C., R. 2775
Pires, I. E. 2577
Pirieva, G. G. 838, 2757
Pirisi, F. M. 5915, 6616
Pironi, V. 5076
Piroş, O. 2768
Pirtskhalaĭshvili, S. Kh. 3203
Pisani, P. L. 3230, 7132
Pishchulin, A. T. 3066
Piskornik, M. 393, 7895
Piskunova, T. M. 202, 7492
Pissarek, H. P. 3878
Pistelli, L. 1619
Pita, A. H. C. 1505
Pitcher, L. 1518
Pitre, S. 538
Pittam, A. J. 1437
Pitts, M. J. 2646, 3975
Pitzalis, M. 2539
Pivot, D. 8955
Pivovarov, V. F. 2841
Piwowarczyk, W. 4237
Pizano, M. 5953
Pizza, C. 1747, 6935, 8034-8035, 9218
Pizzoli, L. 1391
Pkheidze, T. A. 1184, 8120
Pla, L. 158
Placco, L. 7392
Plaisier, H. 7164
Planas de Martí, S. 7187
Plas, L. H. W. van der 390
Plašilová, H. 8473
Plata, M. C. 9304
Plath, J. C. 5387
Platt-Aloia, K. A. 2503, 2804
Plattner, R. D. 9057
Plaza, J. L. de la 4711
Plazinić, R. 4017
Plekhanova, T. F. 867
Plemenkova, S. F. 4915
Pleniceanu, M. 2331
Plessis, H. J. du 5518
Plessis, S. du 1846
Plessis, S. F. du 2473
Plich, H. 5472, 5477-5478
Pliego, F. 2462, 2470
Pliego-Alfaro, F. 2464, 2466, 6240
Plíšek, B. 1948
Plisis, Ya. 1017
Płocharski, W. 1370-1371
Płoszyński, M. 6896
Plotnikov, D. A. 6158
Plotnikova, G. A. 7205
Plowman, R. E. 3431
Plowman, T. 5191
Plumley, F. G. 4255, 4263
Plummer, J. A. 1252
Pluta, J. 8010
Poapst, P. A. 239
Pocsai, K. 3426
Podbielkowska, M. 6588-6589
Podder, G. 9124
Podkopaev, A. A. 3644
Podtikhov, S. S. 4108
Podushkin, V. Yu. 8037
Poe, R. R. 7596
Poehland, B. L. 1093
Poenaru, G. 6540
Poetto, L. 5962, 5971
Pogosyan, K. S. 1398, 2061, 2780
Pogroszewska, E. 4363
Pohronezny, K. 3415
Poi, S. C. 4271
Poisson, J. 3319, 3795
Poisson, J. E. 527
Pol, P. A. van de 2993, 5974
Polchaninova, T. V. 937, 2142
Polderdijk, J. J. 8918
Polevaya, V. S. 3799
Polidori, E. 7534
Polikoenova, V. D. 317
Poling, E. B. 4062, 6528
Poling, S. M. 6256
Polito, V. S. 4027
Polius, A. T. 150
Polizzi, G. 5849
Poljakoff-Mayber, A. 1503
Poll, J. T. K. 3370
Pollard, G. V. 7030
Pollard, J. E. 5559
Pollini, C. P. 4362
Pollock, M. 6813
Pollock, M. R. 6813
Polomski, R. F. 7262
Pölös, E. 5585
Polyák, D. 2054, 2073, 5594, 7386, 7413
Polyakova, I. Ya. 1689
Polys, S. M. 1580
Pomilio, A. B. 1165
Pommer, E. H. 9093
Pommer, G. 6684
Pommier, P. 1320
Pompei, C. 3348
Ponce-Monter, H. 2402
Ponchet, M. 4352
Poncu, J. 4947
Pondev, K. 1380
Ponglux, D. 3763
Poniedziałek, M. 216, 272, 275, 502
Poniedziałek, W. 88-89, 7232
Ponnuswami, V. 7949
Ponomarenko, A. E. 3991
Ponomareva, N. P. 1358
Pons López, L. 7186
Ponse, G. 3445
Ponte, J. J. da 7708
Pontes, A. E. L. 7708
Ponti, I. 5599
Pool, R. M. 6541
Poole, R. T. 406, 436-437, 1027, 1030, 2250-2252, 2260, 2967, 2970, 3589, 3600, 4401, 5051-5053, 7937, 8996, 9005
Poornima, K. 5321
Pooter, H. L. de 1673-1674, 5126
Poots, I. 5134
Poovaiah, B. W. 147, 831, 4655, 5410, 5767
Pop, I. V. 4085
Popa, C. 6552
Popa, M. 636
Popa, V. I. 636
Popel, G. 3864
Popescu, A. 4216
Popescu, I. 3283
Popesko, I. G. 7350
Popkov, G. G. 3637
Popli, S. P. 3723, 9172
Popok, N. G. 3232
Popov, A. S. 6868
Popov, D. 7729
Popov, N. A. 182
Popov, S. 3707
Popov, S. S. 8118
Popov, Yu. G. 3042
Popova, I. V. 2727
Popova, L. N. 2898
Popova, S. 7538
Popova, S. A. 3017
Popovic, R. 220, 7499
Poppe, J. 5935
Populer, C. 5424
Pór, J. 7386
Porcelli, S. 5621, 5864, 6399
Porębski, S. 7232
Porfir'ev, N. P. 892
Porfirova, S. A. 1481
Porter, A. J. R. 8597
Porter, G. 5816, 5819, 7970
Portis, A. R., Jr. 3365
Portuondo, M. de los A. 8891
Porubinovskaya, G. V. 3602
Porwal, K. M. 6922
Poryazov, I. 3412
Posa, B. T. 3687
Poschenrieder, C. 1488, 4903, 7634
Poschenrieder, C. L. 268
Poskuta, J. 3456, 8805
Poskuta, J. W. 4240
Posluszny, U. 4066, 8649
Pospíšilová, D. 2750
Pospíšilová, J. 3417
Posthumus, M. A. 507
Postnikova, N. V. 1702
Potapov, S. P. 1925
Potes, M. de F. 6268
Potgieter, E. 3849
Potrykus, I. 3915
Potter, C. A. 7230, 7475, 8617
Potter, J. R. 1040
Potti, S. K. 5033
Potvin, C. 6379
Pouget, R. 2055
Pouliqueen, J. 3263
Poulis, A. T. 172
Poulton, G. A. 9050
Poulton, J. E. 4170, 4395
Pound, A. W. 1029
Pousset, J. L. 1119, 4471
Poveda, L. 6941
Powell, C. 7911
Powell, D. F. 5006
Powell, L. E. 55, 1905
Powell, S. M. 493
Power, J. B. 1586, 2944, 3923, 4591, 4719, 6429, 6704, 7283
Powers, J. J. 309
Powis, G. 9204
Poysa, V. W. 2895
Praagh, J. P. van 3303
Prabha Challa 4791
Prabhakar, B. S. 2842, 4893, 4943, 6707, 8722, 8858
Prabhakar, J. V. 5323
Prabhakar, M. C. 5202
Prabhakar, Y. S. 2445
Prabhu, B. R. 6975
Prabucki, J. 7556
Pradet, A. 8951
Pradhan, B. P. 9200
Pradhan, J. P. 9096
Pradhan, S. C. 6207
Prakash, A. O. 2388, 4503-4504, 6965
Prakash, J. 1268
Prakash, K. S. 7980
Prakash, L. 5149
Prakash, O. 9193, 9360
Pralavorio, R. 668
Pramanik, T. K. 9120
Pramono, I. B. 9341
Prange, R. K. 8566
Prasad, A. 6324
Prasad, B. 7819
Prasad, D. N. 3096
Prasad, G. 515, 4107
Prasad, J. 6345
Prasad, K. 7571
Prasad, M. 5336, 5530
Prasad, R. 3747
Prasad, R. N. 4355, 7668
Prasad, S. R. 6340, 8324, 9386
Prasad, T. K. 996
Prasad, U. S. 3154, 7035
Prasad, V. G. 6310
Prasanna Mohanty 6606
Prášek, J. 4141
Prathapasenan, G. 5149
Predeina, R. V. 2046
Predescu, G. 2663, 7281, 7294, 7296
Pree, D. J. 6419
Preece, J. E. 1258
Preechanukool, K. 8091
Preez, R. du 9345
Preil, W. 408, 3547
Preiss, A. 3430, 3774
Preiss, U. 8910
Preobrazhenskaya, N. E. 4455
Presber, W. 6183
Press, M. C. 7508
Pressey, R. 6752, 7787
Pressman, E. 2935, 3385, 8931
Presta, A. D. 3569
Prévôt, J. C. 1851
Prezotti, L. C. 4964
Pricâ, D. 3240
Price, J. A. 1008, 1651
Price, K. R. 4206, 8520
Price, R. L. 9222
Pridgeon, A. M. 452
Pridham, J. B. 4588, 7646
Priestley, C. A. 4941
Prigge, H. 5412
Prikhodko, N. V. 6638
Prikule, A. Ya. 6852
Prileszky, G. 7416
Prilishch, N. P. 5569
Primak, A. P. 2119, 2837
Primavesi, O. 910-912, 4208
Primenova, M. E. 1109
Primukhamedov, I. M. 3731
Prin, M. 5839
Prince, T. A. 1607
Prior, C. 5301
Prior, S. A. 7617
Pritts, M. P. 1367, 4041, 5991
Privitera, S. 5869
Probert, S. D. 7201
Probocskai, E. 7224
Procházka, S. 4616, 4929-4930
Proctor, F. J. 5413
Proctor, J. T. A. 7356, 8086
Prodan, I. 4205
Prodan, M. 4205
Prodi, F. 7126
Producţia Vegetală, Cereale şi Plante Tehnice 4510
Producţia Vegetală, Horticultură 7713
Proebsting, E. L., Jr. 786-787, 5416, 7206
Profous, G. V. 6068
Profumo, P. 539, 1120
Prohászka, K. 3497
Proietti, P. 8218
Prokof'ev, A. A. 5787
Prokop, V. 6890
Prokopenko, G. I. 9182
Proksa, B. 3640
Proksch, P. 394
Proliac, A. 5225, 5233, 6994
Promprasit, A. 1246
Promsattha, R. 3091
Proskuryakova, G. M. 3602
Protich, N. 6003
Proto, D. 4714
Prōtopapadakēs, E. E. 1192
Protopapadakis, E. E. 1192
Protopopova, E. N. 7913
Proudlove, M. O. 4257
Provan, G. J. 7969, 7974
Provorchenko, A. V. 757
Prusky, D. 3827
Prussia, S. E. 2822-2823, 3282, 3506, 4750
Pryor, L. 7602
Psallidas, P. G. 6480
Pschorn, R. 5656
Pšenák, M. 1756, 8090
Pshenichkina, Yu. A. 3554
Psota, V. 4429
Pszczolkowski T., P. 2049
Pu, F. 6870
Pu, Q. L. 8103
Pudelska, K. 4372
Pudjiharta, A. 9341
Pugh, K. 6973
Pugliarello, M. C. 3390
Puiseux-Dao, S. 9152

Pujari, P. D. 9055
Pulcher, M. 7125
Pulgarín, A. 5644
Pundarikakshudu, K. 3670
Punjabi, B. 2861
Punsri, P. 1276
Puntillo, D. 1714
Pupillo, P. 2122
Puppato, L. 6672
Puranaik, J. 1828
Purcell, H. 8152
Purdy, R. H. 8157
Puri, K. D. 5336
Puri, S. 3078
Puri, V. M. 4645
Puri, Y. P. 872
Purohit, A. G. 7051, 9300
Purohit, A. N. 4358
Purohit, V. P. 8008
Purushotham, K. 8263
Purushothaman, K. K. 8051, 9103
Purusotman, R. 7066
Purvis, A. C. 1205, 4549
Pushkar', V. V. 6082
Pushkaran, K. 8240
Pushkareva, T. V. 2624
Pushkina, G. I. 7537
Pushpa Joshi 1138
Pushparajah, E. 1848
Pusset, J. 3773, 3795
Putievsky, E. 5129, 7968
Putnam, A. R. 5719
Putsilo, A. I. 7222
Puttanna, K. 3061
Puttock, D. J. M. 5360
Puukka, L. 2298
Puy, D. J. Du 9013
Puyvelde, L. van 1687, 2446
Pyatygin, S. S. 6659
Pyke, N. B. 6512
Pykhalova, T. D. 1659
Pyzhov, V. Kh. 3945
Qadri, B. 6884
Qadri, S. M. H. 1418
Qadry, J. S. 3809
Qasba, M. S. 8592
Qi, X. J. 3771
Qian, R. Q. 8744
Qin, B. Y. 2154
Qiu, B. S. 2154
Qiu, C. Y. 271
Qiu, Y. X. 662
Qrunfleh, M. M. 407, 8963
Qu, Y. 401, 7864
Quadir, M. A. 8761
Quaggio, J. A. 4184
Quagliotti, L. 312
Quamme, H. A. 5505, 7145
Quan, J. Y. 2285
Quaranta, H. O. 1419
Quartarone, G. 5924
Quazi Abdul Fattah 4191
Quénéhervé, P. 8236
Quero, E. 1682
Quesne, P. W. le 1099, 1129, 1713
Quetin-Leclercq, J. 3812, 6990
Quian, H. Y. 6386
Quick, W. P. 4256, 4258
Quijano, L. 1149, 2402
Quinn, P. J. 7679
Quirion, J. C. 3773, 9168-9169
Quirós, S. 6298
Quiroz E., C. 7638
Qureshi, A. S. 8592
Qurishi, M. A. 6884
Raal, A. É. 1724
Rabakonandrianina, E. 6063
Rabanal, R. M. 1645
Rabatel, G. 1303
Rabbani, A. 5313
Rabbani, M. G. 188
Rabelo Gutiérrez, A. 1225
Rabin, J. 4286, 7958
Rabinovich, A. M. 1587, 3753
Rabinovich, M. I. 6167
Racka, M. 9135
Radajewska, B. 5492
Radema, M. H. 3797, 8102
Rademaker, W. 1565-1566
Radeva, S. 1260
Radke, S. G. 8197
Radojević, L. 4373
Radoš, L. 6483
Radoulov, L. 8631
Radulescu, M. 3283
Radulov, L. 8631
Radulović, M. 1790
Radushinskaya, I. P. 4016
Radwan, I. A. 4112, 7478
Radwan-Pytlewski, P. 790
Radzikowska, A. 2909
Raese, J. T. 5459, 6465
Raffauf, R. F. 1129
Raffel, R. 1138
Rafidison, P. 2452
Rafique, M. 3683, 9180
Ragab, R. A. 4914
Ragazzini, D. 3284
Rageau, R. 771
Raghavan, G. S. V. 1266, 5409
Raghbir Singh 4745, 8538
Raghuram, Y. 4587
Ragozzino, A. 5671, 7772
Ragsdale, D. W. 2934
Rahik, M. Abdel- 5283
Rahman, A. K. M. M. 1443, 7576, 8675, 8928
Rahman, L. 7741
Rahman, M. 4452
Rahman, M. A. 6283
Rahman, P. 6189
Rahman, W. 6908
Rahman Beg, A. 5229
Rai, H. S. 4664
Rai, K. M. 4161
Rai, R. M. 4679
Rai, S. 8843
Rai, V. K. 3473, 6642, 8745
Raić, Đ. 5135
Raifer, B. 3207
Raigosa B., J. 3891
Raĭkova, L. 4280
Raĭmanov, I. T. 4915
Raina, V. K. 7978
Rainger, G. C. 7886
Raj, S. S. 8307
Raj Kumar 1172, 8487
Raja Harun, R. M. 9327-9328
Rajab, M. S. 9091
Rajagopal, A. 7814
Rajagopal, R. 444, 4908
Rajagopalan, K. 6951
Rajak, R. L. 6345
Rajamony, L. 7068
Rajan, S. S. S. 2846
Rajasekhar, V. K. 8433
Rajeevan, M. S. 7087
Rajeswara Rao, B. R. 1084
Rajive Kumar 1772
Rajper, G. M. 9385
Rajput, C. B. S. 2136, 4584, 7631, 8281, 8841, 9359
Rajput, J. M. 5636
Rajput, M. S. 8285, 8289
Raju, K. R. 570, 6194
Raju, K. S. 1520
Raju, P. S., Jr. 8307
Raju, S. N. 611
Raju, T. 3174, 8265
Raju Pant 7939
Rakhimov, D. A. 2338
Rakhimov, K. D. 3818
Rakhonde, B. M. 8173
Rakitina, T. Ya. 4267
Rakova, N. M. 5803
Rakow, D. A. 4411
Rallo, L. 664, 8217, 9286, 9297
Ralph, W. 4646
Ram, C. S. V. 2572
Ram, M. 2318, 9075
Ram, S. N. 6224
Ramachander, P. R. 5120, 5328, 6632
Ramachandraiah, O. S. 3013
Ramachandran Seshadri 4530
Ramachandrappa, B. K. 2215
Ramadasan, A. 3875
Ramaiah, K. 8856
Ramaiah, N. A. 3825
Ramakrishna, R. S. 721
Ramakrishnan, V. 6711, 7728
Ramalingam, A. 1763
Raman, P. V. 5215
Raman Nagpal 1327
Ramana, K. V. 9059
Ramanjooloo, N. N. 4599
Ramanuja, M. N. 1826
Ramasarma, T. 2309
Ramaswamy, P. 5755
Ramawat, K. G. R. 5220
Ramayya, D. A. 3013
Ramayya, N. 8427
Ramcharan, C. 3643, 4538
Ramdoyal, K. 5332-5333
Rameshwar, A. 1840
Rami, S. 7435
Ramina, A. 3211, 3230, 3279, 4720, 4780, 5496, 6494
Ramirez, S. 820
Ramirez de V., A. 1346
Ramírez-Martínez, J. R. 5306
Ramírez-Villapudua, J. 7550
Ramishvili, G. G. 3195, 3830, 6246
Ramos, C. 3137
Ramos, D. E. 2015
Ramos, L. 1788
Ramos, R. da S. 4106
Rampersad, D. 9191
Ramsay, R. R. 4405
Ramsong, A. F. 9136
Ran Singh 8557
Rana, B. S. 2155
Rana, H. S. 8457-8458
Rana, J. 3755
Rana, M. A. 1824
Rana, S. S. 8459, 8465-8466
Rana, U. 1081, 3026
Ranaldo, G. 6422
Rancheva, Ts. 8936
Rand, R. H. 7255
Randall, D. D. 2810, 7504, 8824
Randhawa, G. S. 2294-2295, 9054, 9070
Randhawa, J. S. 1350, 5355, 6574
Randhawa, K. S. 249, 1462, 4156, 4954, 7491, 8690
Randhawa, S. S. 8464
Randle, S. A. 4468
Randriamiharisoa, R. 3661, 3674
Randriamiharisoa, R. P. 4454, 4550, 9069
Randriatiana, R. 3047
Ranganathan, V. 2572, 8350-8351
Rangappa, M. 7617
Rangaswami, P. 7949
Ranjit Kumar 8184
Ranjit Singh 4799
Rankov, V. 966, 3412, 3499, 4280, 5894, 7455
Ranu, B. C. 4532
Ranvir Singh 1354, 2518, 5278
Rao, A. N. 9410
Rao, A. V. 2869
Rao, A. V. N. A. 5202
Rao, B. N. 5607
Rao, B. R. B. 5855
Rao, B. R. R. 1084
Rao, B. S. N. 9221
Rao, B. U. 5222
Rao, B. V. 8688
Rao, D. N. 1493
Rao, D. P. 5357, 8211
Rao, D. V. 3739
Rao, D. V. R. 2548-2549, 3844, 9247
Rao, E. V. S. P. 3061
Rao, G. S. 1520
Rao, G. S. P. 5320
Rao, G. V. R. 570
Rao, J. V. R. B. 7980
Rao, K. S. 8932, 9221
Rao, K. V. P. 6194
Rao, M. H. 5308
Rao, M. N. 1840
Rao, M. R. 192
Rao, N. K. S. 7734
Rao, N. S. 5855
Rao, O. P. 6318, 8306
Rao, P. S. 570, 1983, 5359, 6194
Rao, P. V. 7991
Rao, P. V. L. 3648
Rao, R. R. 7856, 8243
Rao, S. D. T. 3013
Rao, S. R. S. 8427
Rao, S. V. R. 4595
Rao, T. R. 5187
Rao, T. V. R. 2574
Rao, V. N. M. 2547, 7081, 7932
Rao, V. S. N. 6161
Rao, W. K. 7074
Raoof, M. A. 9360
Rapetti, S. 7897, 9044
Rapoport, H. F. 9297
Raposo Llobet, C. 7157
Rapparini, G. 29
Rappeport, E. 4636
Rasberry, F. 1335
Rasberry, F. P. 1333
Raschke, K. 5775
Rascio, N. 5496
Rasehorn, W. 5391
Raseira, M. C. B. 1998
Rashchins'ka, G. I. 6523
Rashid, A. 313
Rashid, M. A. 6716
Rasi-Caldogno, F. 3390
Rasis, A. 8139
Raskin, I. 5949
Rasmussen, G. K. 7026
Rasmussen, K. 1464, 3373
Rasnake, M. 5550
Rasnick, B. A. 1786
Rasp, H. 7425
Rast, A. T. B. 4937
Rastogi, K. B. 4887
Rastorguev, S. L. 6525
Rastyannikov, E. G. 4474
Rasulov, A. R. 2615
Rasulova, Kh. A. 3766, 6957
Ratajczak, K. 2930, 2930
Ratajczak, R. 3441, 4851
Rataul, H. S. 8855
Rath, G. 1409
Rath, N. 4777
Rath, S. 9359
Rath, T. 1781
Rathke, S. 8488
Rathore, D. S. 6501, 7109, 8591
Rathore, K. S. 7805
Rathore, R. S. 1754
Ratnayake, C. K. 6906
Ratomskite, G. S. 2016
Ratovohery, J. V. 5261
Rattan, R. S. 7706
Rattigan, K. 7216
Rattink, H. 475
Rauch, M. H. 2607
Raulston, J. C. 7914
Rava, A. 6198
Ravaioli, A. 5946
Ravalico, L. 6157
Ravelo, A. G. 592, 3800, 6982-6983
Ravelonjato, B. 527
Raven, J. A. 7630
Raven, K. 1842
Ravensberg, W. J. 308
Ravestijn, W. van 7786
Ravi Kumar 5315
Ravid, U. 5129, 7968
Ravindra, N. S. 1679
Ravindran, A. 5156
Ravindran, D. V. L. 7856
Ravishankar, R. 5265
Raviv, M. 7176
Ravkin, A. S. 4031
Rawal, R. D. 8305, 8658
Rawash, A. M. 7278
Rawat, G. S. 1156
Rawat, M. M. S. 4428

Rawat, M. S. M. 5208, 6958
Rawat, M. S. S. 4428
Ray, A. B. 503, 4484
Ray, D. P. 7078
Ray, D. T. 7652
Ray, L. P. K. 9149
Ray, P. K. 2530, 8213
Ray, P. M. 3458, 8828
Ray, R. N. 8211
Ray, S. 4248
Ray, T. S. 427-428
Raymond, J. 2028
Raynal, C. 2736
Raynaud, J. 5167, 5169, 5225, 5233, 6977, 6994
Rayo Camacho, M. del 6930
Răz, B. 164
Razakova, D. M. 8014
Razaq, S. 609
Razdan, T. K. 6884
Razeto, B. 8183
Razungles, A. 5613, 6571
Razzak, A. A. W. 6900
Read, A. J. 6512
Read, J. S. G. 6021
Read, N. D. 2130
Read, P. 3535
Read, P. E. 1257, 1897
Real-Laborde, J. I. del 770
Realina, R. L. 8157
Reames, A. 8136
Rebandel, Z. 2711
Rebeille, F. 3541
Rebeiz, C. A. 7608
Rebel, E. K. 8267, 8269, 8272-8274
Rebuffat, S. 3733
Recalde, L. 5224
Rech, E. L. 4719
Recio, M. C. 3709
Reda, F. 2894
Rédai, I. 7545
Redalen, G. 7218, 7221
Reddell, P. 1262
Redden, P. R. 3978
Reddi, G. S. 5164
Reddick, B. B. 8766
Reddy, A. R. 2300
Reddy, A. S. N. 147, 4655, 5767
Reddy, B. M. R. 9357
Reddy, E. N. 7856
Reddy, K. B. 9247
Reddy, K. M. 9352
Reddy, K. N. 5607
Reddy, K. R. 1087
Reddy, K. R. K. 4493
Reddy, L. S. 8262
Reddy, M. A. N. 9313-9314
Reddy, M. L. N. 3844, 9247
Reddy, M. P. 9049
Reddy, O. R. 1841
Reddy, P. N. 3013
Reddy, P. P. 8191
Reddy, P. S. 8180
Reddy, P. V. 9254
Reddy, S. A. 9408
Reddy, S. E. 8287
Reddy, S. M. 1807
Reddy, S. N. 9056
Reddy, T. V. 2278, 7935
Reddy, Y. T. N. 5328, 7082
Redenbaugh, K. 2589
Redl, H. 175, 4795
Redmond, J. C. 6097
Reed, A. N. 2242, 8448
Reed, B. M. 2017
Reed, D. W. 2939, 4391
Reeleder, R. D. 5675
Rees, A. R. 6029
Rees, T. ap 6695-6696
Reginato M., G. 2657
Reginelli, D. B. 1334
Régli, P. 6144
Rego, M. C. N. F. 6530
Reguero, M. T. 6930, 8065
Rehalia, A. S. 4007, 4746, 8545
Rehkugler, G. E. 2645
Reibenspies, J. 9165
Reich, D. R. 8439
Reich, P. B. 1827
Reich, W. 2218
Reichel, M. 1299
Reichling, J. 4461, 9079
Reid, D. F. 1501
Reid, J. B. 927, 5797
Reid, J. S. G. 6866
Reid, M. S. 4301
Reifschneider, F. J. B. 1505
Reihana, M. 413, 3557
Reilly, C. C. 1986
Reimherr, P. 1007, 1010, 6018
Reinert, R. A. 7617
Reinhard, E. 573, 6190, 8052
Reinhold, L. 2835
Reis, E. L. 1227, 8331
Reis, F. de A. M. 696
Reis, N. V. B. 5785, 5790, 5833
Reisch, J. 5178
Reissig, W. H. 2632
Reist, A. 391
Reitano, G. 4000
Reitzel, J. 1561
Rejdali, M. 2436
Rejesus, B. Morallo- 9092
Rekoslavskaya, N. I. 7782
Relichová, J. 4364
Relton, J. M. 4336
Rember, J. 277
Remenyuk, G. L. 7335
Remiš, D. 7905
Remison, S. U. 9337
Remphrey, W. R. 2042, 7945
Ren, W. J. 1065
Ren, X. C. 998
Renard, C. 7075
Renaudin, J. P. 3062, 5359
Renee Sung, Z. 6757
Renger, G. 8698
Renquist, A. R. 4759
Rensburg, E. van 3123
Renu Agrawal 6886
Renu Arora 8719
Resende, M. L. V. de 7463-7464
Reslová, J. 740
Resnizky, D. 5289
Resurreccion, A. V. A. 3287, 3506
Retamal, N. 677
Retamales, J. 2074
Retamar, J. A. 7971
Reth, M. 7125
Rethy, R. 2973
Retivin, V. G. 6659
Rettinger, J. C. 4888
Reutrakul, V. 1186
Revinthi-Moraiti, K. 3783
Reyes, A. A. 6760
Reyes, F. J. 3125
Reyes-Villanueva, F. 4026
Reynolds, A. G. 7410
Reynolds, J. F. 1908
Reynolds, S. B. 701, 2831
Reynolds, T. 433, 1098
Reynolds, T. L. 6835
Reynolds, W. F. 2396
Reynolds-Niesman, I. 2801
Reza-ul-Jalil 3775
Rezaaiyan, R. 5260
Rezende, J. A. M. 1843
Řezníček, V. 1934
Rhandawa, S. S. 8463
Rhoades, D. F. 1628
Rhodes, M. J. C. 1116, 2378, 3067
Rhodus, W. T. 1286
Riad, F. W. 7299
Riad Zidan 2838
Ribeiro, A. C. 7102
Ribeiro, I. J. A. 5339
Ribeiro, R. de L. D. 5862
Ribeiro, S. S. 8336
Ricard, J. 5657
Ricci, P. 4352
Riccio, R. 6378
Rice, R. E. 8454
Rice, R. P., Jr. 6048
Rich, T. C. G. 7962
Richard, H. 6880, 7954
Richard, J. G. 4142
Richards, D. 4997, 6080
Richardson, D. G. 2613, 3286, 4377
Richardson, E. A. 109, 744
Richardson, G. M. 8404
Richey, S. B. 183
Richter, C. L. 266
Richter, K. M. 4564
Richter, O. 951
Richter, P. 414
Rick, S. K. 7886
Rico, C. 3003
Rideau, M. 5220
Ridley, S. M. 3442
Ridomi, A. 7401
Riecken, I. 1631
Riederer, M. 4656-4657, 6819
Rieger, M. 3129, 6245
Rieger, R. 4365
Rieksta, D. A. 473
Rier, J. P., Jr. 7749
Ries, S. M. 2631
Riesen, W. 3235
Rietze, E. 3383
Riggs, D. I. M. 5564
Riggs, R. D. 4764
Righetti, T. L. 5564, 6465, 7290
Rijbroek, P. van 7794
Rijkers, C. 7516
Rijkers, C. A. E. 7531
Rikhter, A. A. 1244, 1273, 3945
Riley, J. 505
Riley, W. R. 6505
Rimóczi, I. 2191
Rimpler, H. 634, 3739
Rinaldelli, E. 7402
Rinallo, C. 3999
Rincon T., A. R. 1366, 1845
Ringelé, J. L. 6611
Río, C. del 8217, 9286
Riordan, T. P. 6038
Ríos, A. 5267
Ríos, J. L. 3709
Ríos, L. 6930
Ríos, T. 1149, 2402
Riov, J. 3826, 5733
Ripetti, V. 6497
Ripley, B. D. 2788
Ripperger, H. 626, 3774
Rippetoe, L. W. 3132
Ririe, D. 3379
Risco, S. 1681, 6202
Rishani, N. 6048
Rishi, A. K. 2380
Rishi, N. D. 4105
Risse, L. A. 2901, 3590, 6414
Ristevskii, B. 3983
Ritucci, F. 1521
Ritz, D. 2256
Riva, M. 5605
Rivas, H. 1385
Rivepiboon, A. 8091, 9185
Rivera, A. 584
Rivera, L. E. 8857
Rivera-Vargas, L. I. 5940
Rivett, D. E. A. 631
Riviera, E. 6378
Rivière, M. 5657
Rizk, A. F. M. 6996
Rizvi, S. I. A. 1824
Rmoutil, M. 5411
Robb, K. L. 7830-7831
Röbbelen, G. 2946
Robbertse, P. J. 2491
Robbins, M. L. R. 324
Robbins, N. S. 1480, 2121
Robenek, H. 4859
Röber, R. 2969
Roberti, R. 8375
Roberts, A. V. 3545, 6096
Roberts, D. R. 1900
Roberts, E. H. 5778
Roberts, J. K. M. 8828
Roberts, K. 2850
Roberts, L. M. 5408
Roberts, M. F. 600
Roberts, P. A. 8921
Robien, W. 5082
Robin, J. P. 2080
Robins, R. J. 1116, 2378, 3067
Robinson, D. L. 7873
Robinson, D. S. 240
Robinson, D. W. 4029
Robinson, G. 3508
Robinson, H. 3440
Robinson, J. 1825
Robinson, J. C. 3869, 5292, 6286, 8238, 9311-9312
Robinson, J. M. 1187
Robinson, K. R. 7805
Robinson, S. P. 1426, 1429-1430, 3365
Roblot, F. 8056, 9219
Robson, D. C. 2173
Rocco, C. 1171
Rocha, A. N. F. 5699
Rocha, F. E. C. 5786, 5834
Rochester, C. P. 1434
Rod, J. 880, 3511
Rodis, P. 1423
Rodov, V. S. 6868
Rodrigues, C. H. 7636
Rodrigues, F. C. 5699
Rodrigues Júnior, C. J. 4608
Rodríguez, A. 8526
Rodríguez, B. 1645, 6231, 6996
Rodriguez, E. 3702
Rodríguez, H. 3166
Rodríguez, J. 1853, 2520-2521, 2564
Rodríguez, M. 2781
Rodríguez, M. J. 618
Rodriguez, M. L. 3800
Rodríguez, N. 6188
Rodríguez Bujan, C. 5854
Rodríguez Enríquez, M. J. 3868, 4420, 4566
Rodriguez-Felix, A. 5290
Rodríguez-García, M. I. 2540
Rodríguez-Hahn, L. 1169, 3700, 9177
Rodriguez-Kabana, R. 7184
Rodríguez-Maribona, B. 8159
Rodríguez Rodríguez, R. 6304
Rodríguez-Rosales, M. P. 6272
Roebroeck, E. J. A. 6031
Røeggen, O. 3377, 6577, 8806
Roekel, T. van 3553
Roengsumran, S. 9142
Roeske, C. 7896
Roewer, I. 8000
Rofi, R. D. 1165
Rogers, I. S. 5690
Roh, J. 3021
Roh, M. 6011
Röhm, M. 3433
Roïchev, V. 8629
Roivainen, P. 7858-7859
Roja, P. C. 8099
Rojas, M. 2501
Rojas de Arias, A. 6894
Rojas Garcidueñas, M. 891
Rokem, J. S. 4231, 5359
Roldós Olivier, J. E. 712, 2566
Rolz, C. 4904
Rom, C. R. 91, 2661
Romanenko, A. S. 6638
Romani, R. J. 2502
Romania, Institutul de Cercetare şi Producţie pentru Pomicultură Piteşti-Mărăcineni 3949
Romano, M. 5917
Romanowska, E. 3456, 4240, 8805
Romanowski, M. 934, 5817
Romay, T. 3807
Rombach, M. C. 7188
Römer, C. A. R. 72
Romero, L. 3652, 5899
Romero, R. A. 2609
Romieu, C. 2080
Romney, D. H. 3876
Rompas, T. 6301, 9334
Roncador, I. 7409
Ronchi, A. G. 7534
Rondet, P. 277
Rondón, A. 1234, 1863

Roos, E. E. 5664
Roos, I. M. M. 5419
Rooyen, P. C. van 5522
Roper, T. R. 91, 1979, 2661
Rosa, G. la 1789
Rosand, P. C. 9320, 9322
Rosanglura, S. 6502
Rosario, E. E. del 6317
Rosati, P. 1331, 4021
Roşca, C. 2659-2660, 2691
Roşca, D. 7294
Rose, B. L. 1020, 2961, 7882, 7884
Rose, C. J. 725
Rose, C. W. 8542
Rose-Fricker, C. 1020, 7882, 7884
Rose-Fricker, C. A. 2961-2962
Rosell Martínez, E. 958-961
Rosemann, D. 9062
Rosen, C. J. 117, 3313, 5686
Rosenbaum, D. 1705
Rosenberg, R. 8897
Rosenfeld, A. H. 8940
Rosengard, F. 5823
Rosenthal, I. 3864
Roses, O. C. 6938
Rosevear, A. 2583, 6928
Roshchina, V. V. 941, 7696
Rosocha, C. 3617
Ross, G. S. 2144
Ross, J. D. 8525
Rosset, R. 5212
Rossetto, C. J. 5339
Rossi, F. 7126
Rossi, G. 2847, 5969
Rossi, M. 3348
Rossi, P. E. F. 5785
Rost, T. L. 5806, 6835, 7674, 7906
Rostron, H. 5342
Rosúa, J. L. 1074, 6143
Rota, A. 293, 312
Rota, P. 9040
Roth, J. 156
Roth, M. 2983
Roth, R. J. 2346, 3724
Roth-Bejerano, N. 8146
Rother, S. 8447
Rothschild, M. 1685
Rothwell, S. 5693
Rotino, G. L. 5009
Roubault, S. 126
Rouchaud, J. 8666
Roucourt, P. 8666
Roudeillac, M. P. 1880
Roudeillac, P. 8615
Rouillard, G. 1895
Rouin, N. de 8885
Rousalimov, Zh. 5526
Rouse, R. E. 2672
Rouseff, R. L. 3851, 4551
Rousos, P. A. 4150
Roux, S. J. 2878
Rouzaud, M. L. 8636
Roversi, A. 4727, 4756
Rowland, R. A. 7623
Rowntree, R. A. 6068
Roxas, U. A. 1602, 5993
Roy, A. 4636
Roy, A. J. 1952, 4013
Roy, A. K. 8419
Roy, A. N. 1472, 1667
Roy, H. 3450, 5831
Roy, M. 1949
Roy, R. 9193
Roy, S. K. 6324, 9102
Royse, D. J. 365, 4995
Rożek, S. 218-219
Rúa, M. L. 2761
Ruangrungsi, N. 1123, 1161, 8055, 8091, 9185
Ruano, A. 268, 7634
Ruban, A. V. 4923
Rubatzky, V. E. 872
Rubbini, M. 5848
Ruben, G. M. 2149
Rubens, T. G. 8803
Ruberto, G. 6187
Rubinina, V. V. 962
Rubino, P. 6726
Rubinstein, B. 2835, 2868
Rubio, R. E. 2566
Rubio López, R. 5338
Rubio López, R. R. 712
Ruckenbauer, W. 6558
Rücker, G. 1152, 3094
Ruddle, K. 7117
Rudgard, S. A. 4574
Rudich, J. 2924
Rüdiger, W. 4440
Rudikova, N. D. 3277
Rudin, H. P. 536
Rudnicki, K. 4900, 7613
Rudolph, M. 191, 200
Rudolph, V. 3316, 5552, 5555
Rüedi, P. 1726
Rueffer, M. 3069
Ruffino, R. T. 9344
Ruge, W. A. 4910
Ruggeri, A. 4891
Rugini, E. 5443
Ruhl, E. H. 7385
Rühl, K. 7352
Rühle, W. 5656
Ruhnau, B. 5019
Rui, D. 1391, 5604
Ruijter, A. de 6662
Ruikar, S. K. 946
Ruiten, J. E. M. van 5956
Ruiter, J. M. de 196
Ruiz, J. 517, 6380
Ruíz, J. R. 3125
Ruíz, M. 5515
Ruiz-Cristin, J. 2802
Ruiz Rejón, C. 2236
Ruiz Rejón, M. 2236
Ruíz-Sánchez, M. C. 5422
Rukmani, S. 9103
Rumbos, I. C. 3962, 4748
Rumich-Bayer, S. 982
Rumine, P. 5022
Rumpel, J. 2829
Rumpho, M. E. 8706
Rumpolt, J. 7219
Rumsey, J. W. 4011, 7310, 8914
Rumsey, T. R. 5676
Rungsimanop, C. 680
Runham, S. 5637
Runowska, B. 7703
Rupasava, Zh. A. 6520
Rupasova, Zh. A. 4049-4050, 6520
Ruposheva, G. V. 3020
Rupp, L. A. 8469
Ruppel, E. G. 3411
Rusalenka, V. R. 6520
Rusan, V. 636
Rush, C. M. 6689-6690
Russell, R. A. 4382
Russo, C. 4546
Rusterholz, P. 2685, 6426
Rustom, J. A. 7305, 7307
Rusu, F. 6718
Rusu, N. 2095
Rusu, O. 2331
Ruszkowska, M. 7498
Ruter, J. M. 6842
Rutland, R. B. 373
Ruyter, C. M. 9195
Růžičková, Z. 8831
Ryabchuk, R. T. 4068
Ryabchun, N. O. 4068
Ryabova, N. I. 170
Ryan, P. J. 6687
Rybal'chenko, N. I. 5431
Rybalko, K. S. 4478
Rygg, T. 7803
Rygol, J. 1620
Rylov, G. P. 1315
Rylski, I. 5891
Rymal, K. S. 2684
Ryou, M. S. 3262, 4704
Rypák, M. 125, 2666
Ryu, G. H. 8859
Rzepecki, R. 7613
Rzymowska, R. 2870
Sa, G. H. 6869
Sá, M. de F. P. 4300
Saad, H. E. A. 3773
Saadaoui, E. M. 7701
Saane, J. van 6610, 6612
Saatov, Z. 3027-3028, 3805
Saavedra S., M. 3156
Saayman, D. 2774
Saba, B. 5493, 8541
Sabaev, S. I. 2749
Sabat, S. C. 6606
Sabata, B. 9217
Sabata, B. K. 5235
Saber, H. 6900
Sabir, A. W. 6176
Sabira, B. 1656
Sabirov, S. S. 6939, 9147
Sabri, S. S. 1137
Sabudin, M. A. 3887
Sabzabadi, E. 6837
Sacalis, J. N. 990
Sacchetta, R. A. 2190
Sacco, T. 3676, 4451
Sachan, J. N. 3904
Sachs, R. M. 4647
Šaćiragić, B. 7546
Sack, F. D. 933, 8995
Sackston, W. E. 2812
Saco Sierra, M. D. 6968
Sadamatsu, N. 9258
Sadawarte, K. T. 5636
Sadhu, M. K. 2238
Sadikov, A. Z. 6905
Sadique, J. 3059, 6199
Sadovodstvo, Moscow 115, 4057
Sadovodstvo i Vinogradarstvo 3244, 5432, 5576
Sadowska, A. 9135
Sadowski, A. 5440, 6437, 6454
Sady, W. 218-219, 289, 328, 4961
Sadykov, Yu. D. 4496
Saedler, H. 1581
Saeed, A. 6165
Saenz, B. 6291
Sáenz, M. V. 8295
Saenz Rodríguez, M. T. 1183, 3802
Saes, L. A. 4184
Saez, L. 1234
Sáez C., L. 6697
Safarov, I. S. 5381
Safe, S. H. 5196
Saffell, R. A. 2600
Saftner, R. A. 7623
Sagalaev, V. A. 5016
Sagar, P. 6131
Sagara, K. 5190
Sagara, Y. 43
Sage, R. F. 4225
Sagwal, S. S. 1060
Sah, G. C. 9089
Sah, N. L. 3154, 7035
Sah, R. N. 872
Saha, H. K. 7741, 8895
Saha, S. K. 3376
Saharia, P. 2871
Sahu, M. P. 8814
Said, H. R. 5509
Saïdaliev, U. S. 2543
Saidha, T. 7081
Saidkhodzhaev, A. I. 3079-3081
Saidov, M. K. 5615
Saifah, E. 9113
Saijo, R. 225
Saika, H. 2391
Saiki, Y. 2325
Saikia, B. K. 1762
Saikkonen, M. 1269
Sailer, R. I. 9263
Saimbhi, M. S. 4834, 7533, 8812
Saini, S. S. 8966, 9070
Sainis, J. K. 3453
Saint, S. P. S. 7561
Saint-Macary, H. 8770
Saito, J. I. 4533
Saito, K. 558, 1759
Saito, M. 7972
Saito, N. 462, 1153, 6818, 9214-9215
Saito, S. 1100
Saito, T. 4174, 4193
Saitō, Y. 7605
Saitoh, T. 2356, 2453, 3056-3058
Sakaguchi, J. 2342
Sakaguchi, N. 9260
Sakai, S. 3763, 8359
Sakai, S. I. 1097
Sakai, W. S. 381
Sakakibara, F. 6204
Sakakibara, J. 1125
Sakamura, S. 6197
Sakar, M. K. 6200
Sakashita, S. 2453
Sakata, Y. 7865
Sakoda, M. 1461
Sakovich, N. 9253
Sakpal, R. T. 9055
Sakr, R. 6671
Saks, Y. 7272
Sakshaug, K. 6516
Sakulas, H. 3035
Sakuma, T. 6446
Sakurai, A. 3423, 7620
Sakurai, N. 898-900
Sakushima, A. 5237, 5242
Sakuta, M. 2413-2414, 5359
Salam, C. A. 6330
Salam, M. 3424
Salam, M. R. 5156
Salama, M. A. 7312
Salama, O. M. 5175
Šalanský, I. 4268
Salas, A. 8183
Salas, M. L. 6615, 6732
Salas M., J. A. 1366, 1845
Salazar Arias, J. N. 693
Salazar-García, S. 5251, 5256, 5258
Sale, P. 9261
Sale, P. J. M. 2594
Saleh, M. 1718
Saleh, M. M. S. 5852
Saleh, N. A. M. 209, 1105
Salehy Surmaghy, M. H. 6216
Salem, A. T. 2068
Salem, F. M. 6744
Salem, S. A. 4234-4235
Salerno, D. 2169
Salez, P. 8770
Salgare, S. A. 4425
Salih, A. K. M. 6163
Salimuzzaman Siddiqui 6892
Salinas, R. M. 5802
Salinas B., M. 2881
Salmah, Y. 698
Sal'nikov, V. V. 4915
Salomé S. Pais, M. 5068
Saltanovich, T. A. 2896
Saltos, R. M. 9319
Saltveit, M. E., Jr. 7705, 7792
Salukvadze, M. M. 1874
Salunkhe, D. K. 729
Salvador, D. 7465
Salvarredi, E. M. 1814
Salvi, G. 4230
Salwan D. B. 4745
Salyaev, R. K. 2167, 6638
Salyani, M. 8198-8199, 9265
Salzer, J. 2653
Salzwedel, D. 6987
Samaiya, G. C. 5193, 6196
Samant, D. D. 5172
Samariee, A. I. Al- 7724
Sambueva, Z. G. 1701
Sametz, W. 577
Samia Al Azharia Jahn 3206
Samikov, K. 2954, 3759
Sammis, T. W. 6505
Samokhval, E. G. 4923
Samolin, L. 6220
Samolin, Yu. A. 6220
Sampaio, H. V. 4542
Sampath Kumar, S. 9408
Sampayo, M. 6538
Sampere, E. 2521
Sampietro, A. R. 8965
Samples, T. J. 3579
Sampson, R. B. 8388
Samra, J. S. 4800, 6562
Sams, C. E. 778, 5688, 6459, 6620

Samsuddin, Z. 8320
Samuel, C. 8314
Samuelsson, G. 1711
Samygin, G. A. 6940, 7555
Samylina, I. A. 1647, 3745
Samyn, G. 5935
San Antonio, J. P. 1553
San Román, L. 3793
Sanada, T. 3162
Sanada, Y. 221, 5061
Sanata, M. B. M. 9322
Sanches, N. F. 6325
Sánchez, A. 3899
Sanchez, C. A. 8288
Sánchez, M. I. 9016
Sánchez-Alonso, F. 90, 5521
Sánchez-Andréu, J. 158
Sánchez Colin, S. 2461, 2465, 2487
Sánchez Conde, M. P. 876
Sánchez-Díaz, M. 5093
Sánchez-Ferrer, A. 3347
Sánchez-Gras, M. C. 9205
Sánchez Marcos, I. 3682, 6877, 6966
Sánchez-Parareda, J. 1064
Sánchez-Roldán, C. 6496
Sánchez-Tamés, R. 8526
Sánchez Vélez, C. 9177
Sancho, G. 1337
Sandberg, F. 2337
Sande, J. van de 5886
Sande, S. van de 7746
Sander, H. 8108
Sanders, D. C. 5714
Sanders, F. E. 5399
Sanderson, K. R. 3304
Sandhar, N. S. 5346
Sandhu, A. S. 4734, 5268, 5356, 8171, 8537, 8544
Sandhu, B. S. 9388
Sandhu, G. S. 4747, 5277
Sandhu, H. S. 8363
Sandhu, J. S. 8685
Sandhu, K. S. 249, 4156, 4834, 4954, 8684, 8748
Sandhu, S. S. 7309
Sando, S. 1461
Sandooja, J. K. 7439, 7790-7791, 8203-8205
Sandoval, J. 1293
Sandra, P. 2313, 6261
Sandved, G. 6085, 7940
Sane, P. V. 6764
Sangermani, M. 5792
Sangwan, R. S. 3546
Sangwan-Norreel, B. S. 3546
Sanhüter, S. 7419
Saniewski, M. 5040
Sanikidze, I. S. 6353
Sanjay Sharma 6922
Sankar, C. R. 3012
Sankawa, U. 2343, 2404
Sankhla, N. 5759, 7156, 7493
Sannamarappa, M. 9305
Sano, K. 1665, 6184, 6933-6934
Sansavini, S. 59, 65, 101, 736, 3211, 3246, 3284
Sanström, Å. 8703
Sant, V. van 5961
Santamaria, P. 4877
Santamour, F. S., Jr. 1055, 3004
Santana, C. J. L. 9323
Santana, C. J. L. de 3009
Santana, M. B. M. 9320
Sant'Anna, R. 6672
Santarius, K. A. 5248
Santiestevan, R. 1853
Santos, A. F. dos 7095-7097
Santos, C. A. de M. 2442
Santos, C. A. L. dos 4541
Santos, R. N. dos 3009
Santos, R. R. dos 4109
Santos Bobillo, M. T. 6904
Sanwal, G. G. 5297
Sanwal, T. D. 260
Sanyal, A. K. 2550, 3168
Sanz, A. 1804
Sanz, J. 2435
Sapers, G. M. 821, 3309, 4035
Sapis, J. C. 6571
Sapkal, P. N. 4933
Saqib, Q. N. 2214
Sarada, A. 8051, 9103
Sarah, J. L. 8308
Saranah, J. B. 8163
Sarangi, C. S. 3651
Sarasola, E. A. 796
Saraswathy Pasupathy 3060
Sardana, H. R. 5866
Sardesai, L. G. 7979
Sardo, V. 3136
Sardo, V. I. 6249
Sardzkveladze, G. P. 1791
Šařec, O. 8655
Sarg, T. M. 2360
Sargent, M. V. 3101
Sarhan, A. R. T. 3424, 4291
Sarig, Y. 8139
Sariyar, G. 9183
Sarkar, A. K. 5151
Sarma, A. S. 9082
Sarma, C. M. 7514
Sarma, M. N. 4595
Sarma, R. 5937
Sarma, S. R. 1850
Sarmah, T. C. 3199
Sarnaik, D. A. 288
Sarowa, P. S. 5266
Sarrazin, F. 8076
Sarro, M. J. 329, 2907, 4317
Sarro Casillas, M. J. 5889, 5893
Sartor, G. 4760
Sartori Paoli, A. A. 7112
Sarwar, M. 1679
Sas Biswas 5157
Sasaki, A. 2441
Sasaki, M. 554
Sasamoto, H. 558
Sasaoka, K. 1554
Sashida, Y. 2288
Sashida, Y 3571
Sashida, Y. 4501-4502
Sasikala, E. 8051, 9103
Sasse, F. 1158
Sasse, J. M. 7688
Sastrapradja, S. 2575
Sastre, J. L. 8946
Satake, M. 8042-8043, 9053
Šatar, S. 6876
Sateev, A. F. 7339
Satesh Bhan 1772
Sati, O. P. 1081, 3026
Satjawatcharaphong, C. 2684
Sato, H. 6197
Sato, K. 1134-1135
Sato, M. 3721, 9270
Sato, S. 4498, 9186
Sato, T. 5161
Sato, Y. 7369
Satoh, K. 4127, 4845, 4853, 5655
Satoh, M. 597
Satoh, S. 6643
Satou, Y. 7369
Satsyperova, I. F. 4455, 6218
Sattar, A. 9180
Satter, R. L. 494
Satti, N. K. 6948, 8063
Sattikulov, A. 1102
Satyanarayana, M. 8850, 9056
Satyanarayana, P. 9189
Satyaprasad, C. 1355, 7064
Saunier, R. 87
Sauter, H. 1605
Sauvage, F. X. 2080
Savchenko, I. F. 8929
Save, R. 4140
Savel'ev, N. I. 2624
Savin, E. Z. 5483
Savin, K. 5153
Savina, A. A. 1109, 8062
Savitchi, P. 6608
Savithri, P. 3890
Savitri Devaraj 5215
Savitri Godhwani 3781
Savona, G. 6231
Savu, M. 6540, 6561
Savvina, T. M. 3989, 3994
Sawabe, A. 9276
Sawamura, M. 9277
Sawanobori, K. 2441
Sawert, A. 7748
Sawwan, J. S. 9004
Saxe, H. 4908, 7754
Saxe, H. P. E. 6392
Saxena, G. K. 1755
Saxena, K. K. 3096
Saxena, L. M. 7938
Saxena, M. 7669
Saxena, M. C. 8791
Saxena, N. 1500
Saxena, O. P. 4817, 4819, 4949
Saxena, P. K. 313
Saxena, R. P. 1523
Saxena, R. S. 3096
Saxena, S. 4987
Saxena, S. K. 4968
Saxena, V. K. 5193, 6196
Say, M. M. 7635
Saya, O. 8067
Sayed, F. M. A. El- 5283
Sayed, H. M. 6820
Sayed, M. K. 8188
Sazo, R. L. 7305, 7307
Sazonova, L. V. 355, 1245, 2110
Scaife, A. 2831, 5684
Scalabrelli, G. 4733, 6493
Scanavachi, V. 4589
Scandella, D. 6583
Scannavini, M. 6449
Scapin, I. 1394
Scaramuzzi, G. 5673
Scarcia, V. 6157
Scarito, G. 6269
Scarpa, A. 1694
Scartezzini, H. 3207
Scazzosi, J. M. 1266
Schaap, G. 6023
Schadegg, E. 6475
Schaefer, H. 775, 6542
Schaefer, H. J. 8483-8484
Schaeffer, F. 7657
Schaesberg, N. V. 4539
Schäfer, C. 1621
Schäfer, W. 1733
Schaffer, B. 1788, 8288
Schaffer, K. 37
Schaik, A. C. R. van 3969, 3971, 4701, 7267
Schaik, N. van 9032
Schales, F. D. 6385
Schalk, J. M. 324
Schaller, K. 7420
Schamp, N. 1674, 1687, 2446
Schamp, N. M. 5126
Schantz, M. v. 5109
Schapira, A. 2827
Schapoval, E. E. S. 4492
Scharff, C. 7973
Scharpf, C. 1635
Schatz, G. H. 5814
Schatz, R. A. 3701
Scheer, H. 8072, 8431
Scheer, H. A. T. van der 4773, 7244
Scheer, T. 2799
Scheerens, J. C. 7614
Scheffer, J. J. C. 508, 1676, 2335, 2846, 5145, 7141
Scheibe, R. 3446, 5813
Schell, M. B. 2878
Scheller, H. V. 2922
Schelstraete, A. 4368, 7894
Schenk, M. 5650
Schenk, M. K. 8970
Schenkel, E. P. 2454
Scherer, G. F. E. 7612
Scherer, M. 9093
Scheunemann, C. 226
Schiavi, M. 5009
Schickler, H. 4144
Schiff, P. L., Jr. 632, 1092, 2447, 8083, 9162, 9175
Schilling, E. E. 9140
Schilling, G. 9079
Schilling, N. 4435
Schipper, J. A. 7863, 8978
Schisler, L. C. 365
Schläpfer, E. 743
Schlichting, C. D. 6015
Schlimme, D. V. 3407
Schliwa, M. 1913
Schloss, J. V. 5651
Schmeda Hirschmann, G. 3746, 3756, 5224, 6894
Schmid, A. 163
Schmid, J. C. 4674, 8539
Schmidt, G. 496-497, 1299, 1662, 5660, 7912
Schmidt, G. W. 4255, 4263
Schmidt, H. B. 3267
Schmidt, H. O. 4238
Schmidt, J. 3430, 6981
Schmidt, J. O. 7053
Schmidt, K. 6829
Schmidt, M. 8426
Schmidt, O. G. 7121
Schmidt, R. E. 6824
Schmidt, S. 9061
Schmidt, W. 5649
Schmilovitch, Z. 42
Schmitt, J. M. 2807-2808
Schmitthenner, A. F. 1474
Schmitz, W. 79, 5474
Schmuckenschlager, J. 2058
Schnabel, B. 4809
Schnabel, B. J. 2776
Schneeberger, R. 820
Schneider, A. 1402
Schneider, F. 5383
Schneider, G. 564, 3430
Schneider, J. 377
Schneidereit, M. 3547
Schnell, R. J. 8325
Schnug, E. 3878
Schoenau, G. J. 5396
Scholtens, A. 1322, 1972
Scholtens, M. 4697
Schönberg, G. 2627
Schönfeld, M. 4144
Schönherr, J. 4654, 4656-4658, 6819
Schonhof, I. 8894
Schoonhoven, L. M. 1685
Schouten, S. P. 3969, 7268
Schouwink, H. E. 4312
Schreiber, K. 626, 3430
Schreiber, U. 5649
Schreier, P. 3180, 3861, 4023, 4985, 7090, 8590
Schröder, E. C. 4210
Schröder, H. 882
Schroder, R. F. W. 7779
Schröder, W. P. 8696
Schroeder, C. A. 2493, 5262
Schroeder, W. J. 655, 7026
Schroën 6625
Schroën, G. 6622, 6626
Schroën, G. J. M. 6614, 6622, 6625-6626
Schropp, A. 6542
Schrottmaier, J. 2591
Schrutka-Rechtenstamm, R. 5082
Schübel, H. 9195
Schubert, A. 5593
Schubert, H. 6002
Schuch, W. 8783
Schüepp, H. 164
Schulte, D. D. 7166, 7171
Schulte, P. J. 1026
Schulten, H. R. 627, 6995
Schultheis, J. R. 6706, 7714
Schultz, H. R. 168
Schultz, P. B. 992, 9041
Schulz, H. 418, 2764, 8004
Schulze, E. D. 5026
Schumacher, H. M. 3077
Schumacher, R. 1947
Schumann, C. M. 1367
Schumann, J. 4852
Schun, Y. 582
Schünemann, G. 3527
Schupp, J. R. 1957, 3957
Schuricht, R. 1294, 5417, 7264
Schussler, K. 7516
Schuster, D. J. 4879

Schütze, R. 968, 8876
Schwab, W. 7090
Schwabe, W. W. 443
Schwankl, L. J. 7755
Schwartz, A. 375
Schwartz, S. 8480
Schwartz, S. J. 4661
Schwartzkopf, S. H. 874
Schwarz, C. F. 4409
Schwarz, H. P. 6692
Schwarz, K. B. 8766
Schwarz, T. 986
Schwede, A. 3882
Schweingel, M. 6410
Schweizer, E. E. 3411
Schweizer, M. P. 9085
Schwenen, L. 5776
Scienza, A. 4077, 6564
Sciortino, A. 1599
Scobie, B. 8416
Scora, R. W. 3466, 4544
Scortichini, M. 2455
Scott, A. I. 9165
Scott, B. 3865
Scott, D. H. 8612
Scott, K. J. 4569
Scott, M. A. 1629, 5000
Scott, R. E. 5797
Scotti, I. A. 5880
Scowcroft, W. R. 3915
Scragg, A. H. 3063, 6931, 6973
Scramin, S. 7995
Scruggs, J. W. 2965
Scudellari, D. 62
Seaboch, T. R. 5620
Seaforth, C. E. 7030
Seale, D. N. 4866
Sealy, R. L. 7154
Šebánek, J. 278, 4399, 4424, 4429, 4509
Sebbowa, F. B. 8003
Sebesta, Z. 2588
Sebikali, B. 2446
Seçmen, Ö. 7921
Sedgley, M. 2489
Sedlák, L. 7656
Sedletskiĭ, V. A. 3335
Sedlo, J. 8655
Sedov, E. N. 2622
Sedov, G. I. 7715
Sedova, E. A. 6834
Seegert, K. 1736
Seeley, E. J. 109
Seeley, S. D. 109
Seemann, J. R. 915-916, 4225-4226
Seemüller, E. 129
Sefa, S. 3006
Segal, R. 1705, 3672
Segars, S. B. 1633, 6077, 9034
Segawa, M. 2914
Segerlind, L. J. 5485-5486, 6477
Seginer, I. 4641
Seguin, E. 1770
Séguin, J. N. 4638
Segura, J. 9205
Sei, T. 7999
Seibold, H. W. 3920
Seidel, P. 1453
Seidel, S. 573
Seif El-Din, A. A. 5209
Seigler, D. 4426
Seipp, D. 4776
Seitz, H. U. 6190
Sejiny, M. J. 2894
Sekar, B. C. 3813
Sekera, D. 2750
Sekhar, K. N. C. 6262
Seki, T. 9053
Sekiguchi, Y. 1173
Sekiya, J. 6358, 7868
Sekiya, T. 9117
Seknička, M. 2643, 3973
Sekse, L. 1318, 1324
Sekulich, I. R. 1659
Self, R. 403, 5020
Seligman, P. J. 4831
Seligmann, O. 3778
Selim, A. M. 4245
Selker, J. M. L. 3389
Sell, M. von 6002
Sellam, M. A. 2798
Sellers, P. J. 8392
Sellés Van S., G. 3480
Selmer-Olsen, A. R. 2940
Selvaraj, T. 6170
Semal, J. 8
Semashko, E. V. 750
Sembdner, G. 1495, 3430
Semenov, A. A. 1177, 3818, 6972, 9194
Semenov, A. G. 4333
Semenova, G. G. 4677
Semenyuk, G. M. 4686
Semidey, N. 4939, 5882
Semina, S. N. 1638
Semler, U. 6865
Sen, D. P. 5323
Sen, N. L. 2515, 9339
Sen, S. 2438
Sen, S. K. 3124, 7019, 8294, 8367
Sena Gomes, A. R. 3170
Senatore, F. 4473
Senatorova, G. I. 4381
Şencan, M. 8869
Şenchak, I. S. 7591
Sener, B. 1114, 1185, 3760, 8033, 9129
Senerath Palmakumbara 721
Sengupta, D. 9066
Sengupta, D. K. 7963
Sengupta, J. 9167
Sengupta, S. 503
Senior, D. 1411, 1447
Senter, S. D. 3404, 3885
Seo, Y. 43
Sepaskhah, A. R. 7323
Séptimo, R. 2337
Sepúlveda R., G. 3273
Şerboiu, L. 3948
Śereda, I. I. 4753
Serizawa, S. 7025
Serôdio, M. H. 9320
Serrano, A. 8887
Serrano, J. M. F. 1816
Serrano, L. 4140
Sertié, J. A. A. 3741, 4485
Servaites, J. 4227
Servettaz, O. 6231
Seshadri, K. V. 8243
Sessa, S. 5918
Seth, J. N. 1952, 2228
Sethi, V. K. 1757
Setiawan, D. P. 2934
Sétif, P. 4855
Šetlík, I. 5812
Šetlíková, E. 5812
Sevarda, A. 5127
Sevel, T. 7517
Sévenet, T. 3795
Severini, M. 7252
Sevilla, F. 303-304, 653
Sexton, R. 3420
Seyama, N. 7450
Seymour, G. B. 1543
Sezik, E. 514
Shabana, M. M. 3808
Shabi, E. 4687, 5601, 8491, 8561
Shabranskiĭ, A. S. 3693, 3696
Shaer, Y. A. 340
Shafer, W. E. 2919, 4969
Shafi, N. 1713
Shagurina, T. L. 926, 2134
Shah, A. 1952, 4013
Shah, A. H. 568, 723, 1876, 6182, 6224, 7003-7004, 8756, 9351
Shah, F. H. 5402
Shah, J. J. 702, 5245
Shah, M. A. 6899
Shah, N. C. 4528
Shah, S. C. 2348, 4477
Shah, S. M. 7743
Shah, V. 1103
Shahabi, A. E. 7478
Shahar, Y. 1811
Shaheen Faizi 6892
Shaheen Shahnaz 1104
Shahjahan, A. 1668
Shaikh, M. R. 1824
Shain, S. S. 531, 3042
Shaked, A. 2514
Shaked, R. 2935, 3385, 5794, 8931
Shaker, K. A. M. 7724
Shakhbazov, V. G. 5808
Shakhobodskiĭ, B. A. 3082
Shakir, I. A. 7382
Shakirov, R. 3759
Shakirov, T. T. 6905
Shalaby, A. S. 2430
Shalevet, J. 1525
Shaley, D. P. 4890
Shalhevet, J. 5891
Shalhevet, S. 9257
Shaltout, A. D. 2068
Shamala, T. R. 8938
Shamma, M. 1085, 1145, 1176, 2355, 6923, 8113, 9183
Shammas, G. 1175, 7005
Shamsuddin, K. M. 6908
Shamsuddin, T. 6908
Shamtsyan, S. M. 3145, 8176
Sham'yanov, I. D. 6984
Shan, Y. 2419
Shane, B. S. 4828
Shani, A. 8153
Shankar, R. 2550
Shankaraiah, C. 9393
Shankaranarayana, V. 9313-9314
Shanker, J. 3376
Shanks, C. H., Jr. 7334
Shanmugam, T. R. 8278
Shanmuganathan, R. T. 9336
Shanmugavelu, K. G. 2819, 7511, 7932
Shanmughavelu, K. G. 7089
Shann, J. R. 253-254
Shant, P. S. 9356
Shantaram, M. V. 9306
Shantha, T. R. 3060
Shanthy, A. 6936
Shao, L. M. 862
Shao, Q. Q. 4486
Shaova, A. A. 5428
Shapiro, B. 1808, 8207
Shapiro, D. K. 1878, 5569
Sharaf, A. 5311
Sharaf, M. 7312
Sharaf, N. S. 4650
Sharaiha, R. 287
Sharangiya, U. Sh. 3897
Sharfuddin, A. F. M. 7741, 8877
Shargool, P. D. 6411
Sharif, F. M. 3424, 4291
Sharif, J. 8302
Sharkey, T. D. 915-916, 4225-4226
Sharma, A. 8677
Sharma, A. K. 1504, 9052, 9167
Sharma, B. B. 530, 3135, 8177, 9252
Sharma, B. N. 4934, 7512
Sharma, C. P. 5687, 8813
Sharma, D. D. 8814
Sharma, D. R. 1810
Sharma, G. D. 5064
Sharma, G. L. 3118, 8093
Sharma, J. P. 8497
Sharma, J. R. 8927
Sharma, K. M. N. 555
Sharma, M. L. 1704
Sharma, M. P. 1667, 6331
Sharma, N. 8585
Sharma, N. D. 4983
Sharma, N. N. 7103
Sharma, O. N. 1794
Sharma, P. K. 516, 2416, 4462
Sharma, P. L. 2323
Sharma, P. N. 5687
Sharma, P. P. 4887
Sharma, P. S. 9254
Sharma, R. 2389, 3473, 5170
Sharma, R. C. 8725
Sharma, R. K. 6765, 7032, 7439, 7790-7791, 8203-8205, 8557, 9051, 9064
Sharma, R. L. 8574-8575
Sharma, R. M. 4540, 6628
Sharma, R. P. 8479, 8574-8575
Sharma, S. 2072, 6922, 7032, 8653
Sharma, S. B. 2530, 3859, 4567, 5287, 5296, 7036, 8213
Sharma, S. D. 6472, 6502, 7279, 8533
Sharma, S. K. 4887, 5703
Sharma, S. L. 8725
Sharma, S. P. 8801
Sharma, S. R. 357, 4114, 5198
Sharma, T. R. 8456, 8514, 8554
Sharma, U. S. 8279
Sharma, V. 1457
Sharma, V. D. 515, 4107, 6945
Sharma, V. K. 8478, 9356
Sharony, Y. 8207
Sharp, J. R. 4643
Sharples, R. O. 1302
Shashilova, L. I. 7950
Shashkov, A. S. 1184, 3364, 6910, 8020, 8036, 9158
Shashkov, I. G. 850
Shatanawi, M. R. 287
Shatat, F. 152-153
Shatta, H. M. 7470, 7480
Shattuck, V. I. 2109
Shaubi, E. 8155
Shaumyan, I. K. 956
Shavishvili, L. M. 3843
Shaw, D. R. 1612, 3577
Shaw, H. G. 5063
Shaw, J. 8691
Shaw, L. N. 3925, 4820, 7744
Shaw, P. E. 2524, 3837, 4552, 7026
Shaw, P. W. 8501
Shawl, A. B. 6961
Shawl, A. S. 7978
Shchavlinskiĭ, A. N. 1109
Shchepot'ev, F. L. 1244
Shcherbakova, S. P. 783, 2673
Shcherbatko, V. D. 6428
Shcherbinin, A. A. 3253
Shea, E. M. 5930
Shearer, S. A. 7148
Shearman, R. C. 1613, 2246, 6038, 7889
Shebalina, M. A. 1245
Shedlosky, M. E. 987
Sheehan, T. J. 7890
Sheffer, B. J. 7050
Shelchenko, O. P. 3320
Shelchenko, V. I. 3320, 3572
Shekell, G. 5797
Shekharappa, K. E. 7051
Shekhovtsova, E. G. 3668
Shelp, B. J. 237-238, 2109, 3382
Shelton, A. M. 7673
Shelton, J. E. 4213
Shem-Tov, N. 8207
Shen, J.-R. 4853
Shen, M. 598
Shen, Z. W. 8678
Shen, Z. Y. 897
Shenderovs'ka, T. I. 2840
Shenderovskaya, T. I. 2840
Shengeliya, L. N. 3126
Shennan, C. 2164
Sheo Bux Singh 1727
Sheppard, S. C. 2042
Shereef, G. M. 5140
Sheremet, I. A. 4677
Sherer, V. A. 847, 849
Sherif, H. K. El- 7994
Sheriff, M. H. R. 2400
Sheriha, G. M. 1739
Sherkulov, Ch. 1916
Sherman, M. 2821
Sherman, W. B. 2672, 3273, 8540

Shestopal', A. N. 4677
Shet, M. S. 6698, 8833
Shete, R. H. 5172
Shetty, H. S. 6300, 9083
Sheu, S. J. 1710
Sheu, Y. S. 4593
Shevtchenko, V. B. 182
Shewfelt, R. L. 2822-2823, 3282, 3506, 7789
Shi, Y. 1128, 2189
Shiao, M. S. 5194, 7804, 8071
Shibamoto, T. 3293
Shibata, M. 1563
Shibata, S. 637, 1761, 3798
Shibata, Y. 6358
Shibukawa, S. 6651
Shibuya, M. 2343, 2404
Shide, L. 1152, 3094
Shiel, R. S. 4375
Shifman, I. A. 5863
Shiga, T. 2327
Shigematsu, H. 622
Shigenaga, S. 2885, 4272
Shih, S. F. 1862, 6338
Shijko, E. S. 182
Shikhamany, S. D. 5308, 6551, 6557
Shilden, M. van der 2599
Shillito, R. D. 6998
Shillo, R. 6847
Shim, G. B. 6059
Shim, K. K. 5098, 6058
Shim, S. C. 596
Shima, Y. 9350
Shimada, Y. 3671
Shimamoto, Y. 7699
Shimazaki, A. 6592
Shimazaki, K. 3429
Shimazaki, Y. 6651
Shimizu, H. 7953
Shimizu, K. 9273
Shimizu, M. 1100, 1680, 3109, 8104, 9155, 9174, 9190
Shimizu, N. 5179, 5204
Shimolina, L. L. 3796
Shimomura, H. 3571, 4501-4502
Shimomura, K. 8042-8043
Shimose, N. 7868
Shimura, K. 6713, 6729
Shin, K. H. 1731
Shin, Y. H. 8859
Shingu, K. 2377, 3735
Shingu, T. 3780, 5121
Shinmyo, A. 5180
Shinozaki, K. 5824
Shinpo, K. 2363
Shiobara, Y. 6895
Shiomoto, H. 3742
Shiota, H. 5291
Shipman, C. W. 9224
Shipota, A. K. 7667
Shirai, M. 9186
Shiraishi, S. I. 4096
Shiraishi, T. 4844
Shirasuna, N. 2914
Shirko, T. S. 752
Shiro, M. 580, 2575
Shishkanu, G. V. 766
Shishkov, K. 8632
Shivanandam, V. N. 9313-9314
Shivankar, V. J. 7481
Shivaraj, B. 2215
Shivashankar, S. 1828
Shivhare, U. S. 1523
Shkīl'na, M. D. 5525
Shkorbatov, Yu. G. 5808
Shlyapnikov, S. B. 3951, 5441
Shlyapnikova, A. S. 4758
Shmidt, A. S. 6158
Shobolul, A. 8215
Shoeb, A. 542, 3088, 3715, 9193
Shoferistov, E. P. 95, 3986, 7326
Shogawa, H. 1680, 9190
Shoham, H. 5907
Shoji, A. 3293
Shoji, J. 2351
Shoji, N. 1153, 9214-9215
Shokhumorova, O. 4715
Shokova, R. I. 5072
Shokraii, E. H. 8570
Sholokhov, A. M. 2647, 3994-3995
Shoris, M. Kh. 75
Short, D. E. 4387
Short, K. C. 3545, 4353, 4625, 6096
Short, T. H. 4309
Short, T. L. 252
Shorter, A. J. 4569
Shoyama, Y. 411, 1732, 6169, 6836, 8016, 8084
Shreder, E. A. 1281
Shreter, A. I. 3043, 3714, 4478
Shrivastava, A. K. 3191
Shrivastava, G. K. 6700
Shrotri, S. C. 6007
Shtefan, L. M. 3761
Shtefan, V. K. 4771
Shtil'man, M. I. 6412
Shu, Z. H. 5386
Shub, S. S. 5615
Shubina, L. S. 1996
Shubina, L. V. 3356
Shuel, R. W. 8799-8800
Shuh, D. M. 4936
Shukla, H. S. 1708
Shukla, L. N. 5346
Shukla, P. D. 1960
Shukla, S. 4503-4504
Shukla, V. 2842, 4893, 4943, 6707, 8858
Shukla, V. N. 5141
Shukla, Y. N. 3716, 3786, 6185, 8048
Shuler, M. L. 6929
Shulman, Y. 2052
Shumsky, J. S. 901
Shunichev, S. I. 1435
Shutova, L. P. 3401
Shuvalov, Yu. N. 1240, 3900
Shvets, S. A. 6159
Shvetsov, S. G. 7782
Shyam, K. R. 1485
Sibal, D. L. 3687
Sibbett, G. S. 2015
Sicard, G. 8989
Sicz, G. 3392
Sīdarovīch, Ya. A. 6520
Siddique, M. A. 188
Siddiqui, B. S. 1656, 6892, 9179
Siddiqui, M. A. 7457, 8001
Siddiqui, M. S. 5115
Siddiqui, S. 614, 1656, 9179, 9349
Sidhu, A. S. 2090, 8679
Sidhu, B. S. 8548, 9070
Sidiq, J. 7382
Sidnin, A. S. 2623, 3950
Sidorenko, A. M. 7231
Sidorenko, T. V. 2633
Sidorova, K. K. 2876, 4269
Sidorovich, A. S. 6141
Sidorovich, E. A. 4049-4050, 6520
Sidoruk, T. N. 4403
Sieber, J. 6791, 6797, 6850, 7854
Siebertz, R. 394
Sieciechowicz, K. A. 7686-7687
Siegfried, W. 162, 164, 3235
Siegrist, J. P. 74
Sieverding, E. 6279
Sievers, A. 886, 3389
Sigalat, C. 8714
Sighamony, S. 5146
Sigler, L. 9018
Sigrist, J. M. M. 701
Sihachakr, D. 1524
Silas, R. A. 8008
Silbernagel, M. J. 7618, 7645
Silim, S. N. 7669
Sils, L. A. 7172
Silva, C. M. M. de S. 2577
Silva, E. M. R. da 4212
Silva, F. Agudelo- 3233, 8453
Silva, F. L. I. M. 5699
Silva, G. L. S. P. da 7152
Silva, H. D. da 2577
Silva, H. P. 7995, 8194-8195
Silva, I. C. 6295
Silva, J. P. 6745
Silva, K. T. D. de 3053, 6906
Silva, L. A. da 4300
Silva, L. B. de 8119
Silva, M. 1148
Silva, S. 5880
Silva, W. S. da 8258
Silva Júnior, A. A. 4147, 4959
Silveira, A. P. D. da 649, 7628-7629
Silveira, G. M. da 3176
Silvestri, G. P. 7736
Silvestroni, O. 4808
Silvy, A. 5963
Simancas, R. 855, 2755
Šimánek, V. 8069
Siméon de Buochberg, M. 1142
Simeone, A. M. 7295
Simidchiev, Kh. 966
Simionescu, C. I. 636
Simmonds, J. 2219, 8969
Simmonds, J. A. 405
Simola, L. K. 9123
Simon, J. 7444
Simon, J. E. 2350
Simone, F. de 1747, 6181, 6935, 9218
Simone, G. W. 431
Simonse, L. 8839
Simonsen, O. 1774
Simpson, D. R. 674, 5286, 6264, 8210, 8212, 8223
Simpson, S. E. 3312
Sims, C. A. 4796
Sincha, K. P. 7578
Sinclair, P. J. 3463
Sindhu, R. K. 5766
Singer, G. 3861
Singer, L. M. 6733
Singh, A. 5114, 7037, 7861
Singh, A. K. 515, 1084, 2372, 5919, 6139, 6945
Singh, A. P. 5142
Singh, A. R. 3634, 4601
Singh, B. 1504, 4842, 5142, 5513, 5937, 7056, 7838, 7861, 7952, 8018, 8185
Singh, B. H. 9380
Singh, B. K. 6705
Singh, B. P. 949, 6627, 8289, 8306
Singh, B. P. N. 1523
Singh, C. 286
Singh, C. B. 7474
Singh, C. P. 2423
Singh, D. 2090, 4954, 5641, 5779, 7301
Singh, D. N. 7600
Singh, D. P. 1057
Singh, D. S. 8652
Singh, D. V. 2318, 2372, 5114, 9071, 9075
Singh, G. 2180, 4817, 4819, 4949, 6318, 8281
Singh, G. N. 8785
Singh, G. P. 6345, 7506
Singh, G. R. 8852
Singh, H. 7381
Singh, H. K. 5353, 8184
Singh, H. N. 9392
Singh, I. J. 6576
Singh, I. S. 2423, 5313, 9412
Singh, J. 3076, 4746, 5002, 8081, 8851, 9054
Singh, J. M. 9284
Singh, J. P. 1876, 7003, 7439, 7632, 8203-8205
Singh, K. 288, 290, 1498, 2323, 5114, 5280, 6945, 7038, 9356, 9386, 9398
Singh, K. N. 6182
Singh, K. P. 2281, 7631, 7933
Singh, K. V. 5164
Singh, L. N. 4276
Singh, M. 1462, 3061, 5128, 5312, 7491
Singh, M. P. 2157, 8007
Singh, N. 5199
Singh, N. P. 9353
Singh, N. S. 6134
Singh, O. S. 4005
Singh, P. 635, 5223, 6956
Singh, P. P. 5164
Singh, R. 4745, 4799, 5278, 9264
Singh, R. D. 1559, 1858, 8652
Singh, R. K. 635
Singh, R. N. 2180, 6318, 7671, 8306, 9352
Singh, R. P. 2087, 4276, 6265, 7525-7526, 8716, 8785, 9284
Singh, R. R. 2291, 5353, 8184
Singh, R. S. 1708
Singh, R. Y. 1475, 1875
Singh, S. 4812
Singh, S. B. 1118, 4665
Singh, S. J. P. 2136, 7631
Singh, S. K. 6936, 9392
Singh, S. N. 4728, 5355
Singh, S. P. 1084, 1708, 1798, 5638
Singh, T. 3462
Singh, T. G. 7064
Singh, U. C. 2937, 7816
Singh, V. 7952, 8733
Singh, V. P. 2372, 6700, 9071
Singh, V. R. 3188, 9387
Singh, Y. 8832
Singh, Y. P. 3836
Singh, Z. 4734, 5356, 8171
Singha, S. 1345
Singhrot, R. S. 7439, 8203-8205
Singla, A. K. 6201
Sinha, A. K. 3135, 9252
Sinha, M. M. 5442, 7412
Sinha, M. P. 1058, 4597
Sinigaglia, C. 4106
Sink, K. C. 5998
Sińska, I. 3953
Sipahimalani, A. T. 8099
Sipos, E. 497
Sipra Dan 533
Siqueira, J. O. 7071-7072
Siqueira, N. C. S. de 4492
Siragusa, N. 4171
Siraj-Ali, M. S. 5990
Sirisongkram, P. 8313
Sirjacobs, M. 2153, 4823
Sirohi, P. S. 5709
Sirotin, Yu. P. 875
Sistler, F. E. 5079
Sitchikhina, N. M. 2960
Sitrit, Y. 3826
Sitte, P. 1605
Sitton, D. 8146
Sivak, L. A. 967
Sivan, A. 3502
Sivaprakasam, K. 6768-6769
Sivasithamparam, K. 4405
Sive, A. 5289
Siviero, P. 7736
Siyami, S. 3982, 7197-7198
Sjoerdsma, A. 557
Sjut, V. 2169
Skachko, V. A. 2834
Skaggs, R. W. 5335
Skaltsa, H. 1069-1070
Skaltsa, M. 5128
Skaria, A. 5930
Skarlou, V. 9255
Skelton, A. M. 6404
Skene, K. G. M. 6544, 6563
Skibicki, P. 2194
Skinner, S. P. 8609
Sklyarevskaya, V. V. 4305
Skog, L. E. 6790
Skokova, A. A. 1670
Skórzyńska, E. 243, 7498
Škrbić, K. 2932
Skrede, G. 2708
Skripnichenko, M. M. 2707
Skripnikova, M. K. 1298, 2617

Skroch, W. A. 3251-3252, 3619
Skrypnik, V. V. 1317
Skulakova, N. N. 817
Skurtul, A. M. 7376
Slabas, A. R. 9243
Slabbert, M. J. 2469
Slabko, M. G. 9182
Slabý, K. 4399
Slack, G. 3500
Slade, D. T. 2589
Slamet, I. H. 7010
Slangen, J. H. G. 2949
Slater, V. J. 5439
Slatkin, D. J. 2360, 2447, 8083
Slaughter, D. C. 4548
Slavcheva, T. 2060, 4792
Slavenova, V. 4303
Slavgorodskiĭ, V. E. 1974
Sleper, D. A. 6043
Slepko, G. I. 2149
Slinde, E. 5629
Sloan, M. E. 1423
Słowik, K. 6432-6434
Slyusarchuk, O. E. 4683
Slyusarchuk, V. E. 7292
Smagina, V. N. 963
Smajstrla, A. G. 2966, 3133, 4996
Small, J. G. C. 1479, 4901, 5710, 6641, 7586
Smalley, T. J. 4427, 9025
Smarrelli, J. Jr. 4899
Smart, G. C., Jr. 8993
Smart, N. J. 1721
Smashevskiĭ, N. D. 8903
Smatana, L. 1373
Smeal, D. 3410
Smeekens, C. C. 6662
Smeets, I. 7567
Smet, G. de 8730
Smirnov, V. V. 1689
Smirnova, E. S. 3611
Smirnova, T. A. 5086, 6102
Smit, C. 1796, 9256
Smit, G. 928, 2873
Smith, A. M. 1514, 5830
Smith, A. Percy- 8922
Smith, B. N. 5730, 7493
Smith, C. B. 2859, 5462, 5897
Smith, C. G. 9243
Smith, D. 654
Smith, D. A. 2684
Smith, D. B. 6871
Smith, D. L. 546, 8772
Smith, D. W. 8909
Smith, E. M. 465, 1053, 2477
Smith, G. R. 4102
Smith, G. S. 2021, 4030, 5529, 5532
Smith, H. 504
Smith, J. A. 6757
Smith, J. A. C. 1026, 2130
Smith, J. I. 1721
Smith, M. A. L. 9004
Smith, M. W. 812, 7319-7320
Smith, N. C., Jr. 8132
Smith, N. J. S. 1218
Smith, P. G. 1496, 2883
Smith, R. B. 6760
Smith, R. J. 2778
Smith, S. 1308
Smith, S. E. 5640
Smith, S. M. 85
Smith, V. A. 7690
Smith, W. K. 3221
Smith-Jochum, C. C. 2383
Smitt, U. W. 8077
Smittle, D. A. 4118, 7489
Šmogrovičová, H. 8090
Smolarz, K. 827
Smoot, J. 3148
Smreciu, A. 9019
Smulders, P. M. J. A. 8943
Smychenko, L. M. 809
Smyk, G. K. 5125
Smykov, V. K. 95, 2621, 3983
Smykova, T. K. 5570
Snatzke, G. 1705
Sneden, A. T. 8030
Snelgar, W. P. 5528
Snellgrove, R. C. 865
Snobar, B. A. 5394
Snyder, G. H. 8288
Snyder, J. K. 2322, 2428
Soave, J. 1489
Sobeih, W. Y. 3363
Sobolewska, A. 7232
Sobral, L. F. 913
Sobral, S. M. do N. 854
Socias i Company, R. 5421
Sociedade de Olericultura do Brasil 5401, 5913
Söderlund, G. 6604
Sodhi, H. S. 362
Soejarto, D. D. 2393, 9176
Soemartono, A. 5166
Soffer, H. 4354
Sogni, S. 6792
Sogur, L. N. 7335, 7348
Sohan Singh 2067, 4812
Sohi, A. S. 4747
Sohi, H. S. 1592, 4987
Soicke, H. 6193, 8058
Soing, P. 6416
Soja, A. M. 7398
Sokić, O. 4373
Sokolov, O. A. 5628
Sokolova, E. P. 2745
Sokolova, N. K. 776
Sokolova, S. M. 142
Sokol'skaya, T. A. 8062
Sokomba, E. 2444
Solakov, Y. 8401
Solangi, G. Y. 9385
Solanki, S. S. 2116, 2159
Solarek, E. 7589
Solárová, J. 3417
Sole Riera, M. A. 9292
Solecka, M. 5081
Soleibe, F. 6291
Soleman, N. K. 4554
Solinas, V. 518
Solis, P. 5227
Solís, P. N. 2337
Solís Peraza, M. 6304
Soll, J. 8816, 8830
Soll, R. 1511
Solodyuk, G. D. 3692
Solomon, M. 1503
Solomos, T. 1304, 2172
Solov'eva, I. I. 2714
Solov'eva, M. A. 4677
Soltész, M. 7259
Soltész-Dibuz, E. 7315
Sölva, J. 3207
Som, M. G. 7963, 9066
Som, U. K. 9149
Somani, L. L. 8801
Somani, V. J. 6034
Somers, D. A. 3915
Somersalo, S. 936
Somerville, S. C. 4922
Sommer, H. E. 2286, 7318
Sommer, N. F. 765
Son, C. L. 5640
Son, E. R. 8085
Son, J. E. 1259
Son, K. H. 6049
Sondahl, M. R. 4608
Sondengam, B. L. 1151, 2376, 2406
Sondey, S. M. 821
Sone, H. 2327
Sonego, L. 7272
Song, B. H. 8859
Song, C. Y. 5853
Song, R. X. 8397
Song, X. K. 710
Soni, R. K. 4246
Sonku, Y. 8723
Sonnenbichler, H. 1736
Sonnenbichler, J. 8072
Sonneveld, C. 5724, 5888, 6408, 7756
Šonský, D. 2269
Sood, A. R. 5747
Sood, O. P. 1649, 4428
Sood, V. K. 7749
Soomro, A. H. 7084
Soparat, P. 1186
Soper, D. Z. 6043
Soria, S. de J. 5606
Soriente, S. 7772
Sørum, O. 5524
Sossou, J. 689
Sotheeswaran, S. 4467
Sotirova, V. 8866
Sotnikov, V. F. 1933
Soto, B. 8110
Soto-Manitiu, J. 8291
Součková, M. 2201
Soufi, Z. 8394
Souidan, A. A. 5089-5091, 7311
Souidan, M. A. 4743
Souleles, C. 1716, 3738, 7005
Soulié, J. M. 5657
Soulier, J. 5865
Sourgens, H. 8079
Sousa, M. P. De 9080
South Africa, Citrus and Subtropical Fruit Research Institute 7017
South African Avocado Growers' Association 1886
South African Sugar Technologists' Association 4617
Southwell, I. A. 5110
Southwell, K. H. 1187
Southwick, S. M. 831, 1201
Souza, J. L. de 4832
Souza, L. F. da S. 1227
Souza, N. J. de 1103
Souza, V. F. de 6669
Souza Filho, B. F. de 4207
Sova, T. V. 4432
Sovová, M. 5181
Sowers, R. S. 3583
Spaans, L. 4173, 5668
Spada, G. 3299
Spaeth, S. C. 2127
Spain, Asociación Nacional de Ingenieros Agrónomos 7127
Spain, Centro de Edafología y Biología Aplicada 3217
Spain, Estación Experimental del Zaidín 3218
Spalding, D. H. 8425
Spangfort, M. 8703
Spanu, P. 7469
Sparace, S. A. 7695
Sparks, D. 813, 7321
Sparnaaij, L. D. 5951, 5973, 5980
Spasić, M. 4202
Spasov, S. S. 1534
Spasovski, K. 8892
Spassov, S. L. 8118
Spaulding, D. W. 2242
Spazisky, S. 6253
Spelt, C. E. 2212, 3552
Speranza, A. 3255
Spharim, I. 9257
Spiegel, Y. 1471
Spiegel-Roy, P. 2052, 7389
Spieler, G. 7434
Spiers, J. M. 128, 5549
Spiers, T. M. 5530
Spieser, H. 35, 4378
Spikman, G. 2224
Spiller, S. C. 931
Spinzi, J. G. 8124
Spitters, C. J. T. 2813
Spitzová, I. 1126
Spohr, L. J. 6072
Spomer, L. A. 9004
Spotts, R. A. 5416, 6500
Sprau, G. 6019
Sprenkels, P. A. 2979
Sprent, J. I. 1491, 6683, 7630
Spruce, J. 2132
Spruyt, E. 908
Spurná, V. 5181
Spyropoulos, C. G. 6866
Sreedharan, C. 4572, 9310
Sreekantiah, T. R. 8938
Sri Lanka, Tea Research Insitute 8376
Srihari Babu, R. 9408
Srikant Kulkarni 1764
Srinivas, K. 4893, 6707, 8722, 8858
Srinivasan, K. 2147, 4278, 6632
Srinivasulu, B. 5304
Srinukul, S. 680
Sripana, P. 8313
Sripichitt, P. 2885
Srirangarajan, A. N. 1418
Srivastava, A. C. 3192
Srivastava, B. K. 2157
Srivastava, H. C. 9, 8884, 9037-9038
Srivastava, K. C. 3833, 5265, 5320, 7083, 8285, 8289, 8292
Srivastava, K. K. 8487
Srivastava, K. P. 4600
Srivastava, L. J. 3078
Srivastava, P. K. 8683, 8902
Srivastava, R. K. 2113, 7085
Srivastava, R. N. 6007
Srivastava, R. P. 700, 9353
Srivastava, S. D. 543
Srivastava, S. K. 538, 543
Srivastava, S. N. L. 3188
Srivastava, V. K. 3096, 3362, 4115
Ssali, H. 1487
Staba, E. J. 548
Staden, J. van 343, 435, 447, 1738, 2292, 3823, 7903, 8293
Stadler, J. D. 6491
Stadnik, S. A. 4807
Staehelin, E. 536
Staehelin, L. A. 3439, 8926
Stafstrom, J. P. 8926
Stahl, E. 348
Stahl-Biskup, E. 2305, 2307
Staiger, C. J. 1913
Stainer, R. 3236
Staley, L. M. 5392
Stamenković, S. 3966
Stamenković, T. 3966
Stamps, R. H. 995, 4392, 7944
Stan, N. 6608, 6718
Stan, S. 3283
Stančević, A. 1973
Stancic, J. 3835
Stanciu, A. 4216
Standardi, A. 1938, 2018
Ständige Konferenz der Gartenamtsleiter beim Deutschen Städtetag 457
Stanek, R. 4042
Stănescu, D. 2767
Stanford, D. F. 5171
Stang, E. J. 2034, 6526
Stang, J. R. 7864
Stanisavljević, M. 6514
Stanislas, E. 3119, 9166
Stankler, L. 9031
Stanley, C. D. 4770, 4958
Stanley, C. J. 9027
Stanley, R. 2722
Stanwood, P. C. 5664
Starchenkov, E. P. 7667
Starck, Z. 348
Starkova, N. Yu. 5569
Starrach, N. 7640
Starykh, G. A. 4281
Starzecki, W. 325, 338-339, 342, 7751
Stassen, P. J. C. 6491, 8546
Station Fédérale de Recherches Agronomiques de Changins, Switzerland 8449, 8482
Statskevich, I. M. 1935
Stäubli, A. 8502
Staurakas, D. 2057
Stayton, M. M. 2211
Steans, G. F. 6570
Steckel, R. A. 4337
Steduto, P. 2906
Steekelenburg, N. A. M. van 1571, 5734
Steene, F. van de 8730

Steenhuizen, J. W. 4139, 4870, 7518
Steenwyk, R. A. van 7214
Steer, M. W. 2604
Štefan, I. 3274
Štefano, R. di 7394
Stefanov, K. 5435
Stefanovich, G. S. 5048
Steffens, G. L. 1943, 6453
Steffey Delgado, L. 1138
Steglich, W. 6820
Stein, D. B. 2868
Stein, M. 2879
Stein, U. 1660
Stein, Z. 2131
Steinitz, B. 1784, 2210
Steinmetz, M. D. 1179, 6144, 6233
Stemler, A. 3438
Stenbäck, F. 1269
Stengård, L. 1561
Stenhagen, G. 1685
Stepănescu, E. 3241
Stepanov, S. N. 1285
Stepanova, Ė. I. 5881
Stepanova, Zh. V. 1689
Stepen', R. A. 3673
Stephan, S. 2616
Stephan, Z. A. 3698
Stephens, C. T. 1536, 1578, 1607, 2916
Stephens, L. C. 399
Stephenson, D. W. 50
Stephenson, G. R. 6041
Stephenson, J. C. 6795, 6856
Stephenson, R. A. 663, 1210
Stern, W. L. 452
Sterner, O. 1557
Sterrett, J. L. 4059
Sterrett, J. P. 1047, 5449, 6409
Steup, M. 3452
Stevens, K. M. 7328
Stevenson, W. R. 8610
Stewart, A. 194
Stewart, D. W. 144
Stewart, J. 8610
Stewart, J. W. B. 7632
Stewart, K. 4135-4136, 4138
Stewart, K. A. 26, 8682
Stich, K. 4379, 6103
Sticher, O. 6985, 6995, 8105
Stijger, C. C. M. M. 4937
Stijger, N. L. M. 8710
Stimart, D. P. 2234, 2258, 2273, 2282
Stine, C. B. 8411
Stino, M. N. 7775
Stirling, G. R. 5275
Stirton, C. H. 6173
Stirton, J. Z. 9011
Stobart, A. K. 8759
Stock, L. A. 4964
Stöcker, M. 6919
Stockert, J. C. 7483
Stöckigt, J. 9195
Stöckl, D. 5788
Stoeckli-Evans, H. 1686
Stoeva, N. 4951
Stoffel, B. 7612
Stoffella, P. J. 6706, 7714, 8854
Stoffert, G. 6381
Stoîan, E. 2759
Stoilov, S. 8401
Stojanowska, J. 5450
Stolbov, A. N. 3955
Stoletnyaya, P. A. 867
Stolp, M. 60
Stolpnikov, V. A. 5519, 7325
Stone, D. A. 5624, 8388
Stone, J. A. 2895
Storey, J. B. 113
Storey, R. 2779
Story, R. N. 914
Stösser, R. 3979, 7352, 8201
Stow, J. 1308
Stow, J. R. 3285
Stoyanova, Ts. D. 5763-5764
Strabbioli, G. 4779
Strabelli, J. 8338
Strack, D. 1457
Strada, G. della 1988, 4714
Straková, K. 3788
Stramaglia, L. 7375
Štranc, J. 520, 524
Strangeway, G. M. 7663
Strasser, R. J. 3421, 4261, 8962
Stratton, M. L. 244
Strauss, C. R. 4094, 8659
Straver, N. 9000
Streelman, D. R. 8030
Street, J. R. 5050
Streif, J. 121, 2644, 5476
Strela, T. E. 5525
Strelkova, M. A. 6220
Stribley, D. P. 865
Strider, D. L. 6794
Striegler, R. K. 4796, 6547-6548
Strigina, L. I. 4514
Strik, B. C. 5553, 7356
Strīla, T. Ye. 5525
Strobel, H. 2319
Strohman, R. A. 5257
Strojny, Z. 5004
Strømme, E. 382, 2588
Strotmann, H. 3445, 4123, 8701
Struck, A. 8431
Struckmeyer, B. E. 482
Strullu, D. G. 969
Strumpf, T. 7785
Struppek, G. 2990
Strychacz, I. 4163-4165, 4882
Strygina, O. V. 4058
Stüber, R. 68
Stuchbury, T. 6679
Studenets, V. S. 75
Stuhlfauth, T. 572, 3751
Stuitje, A. R. 7846
Stuppner, H. 1733
Sturm, A. 2126, 4203
Stushnoff, C. 4039, 5506
Stutzel, H. 7653
Stymne, S. 8759
Su, C. Y. 7553
Su, H. C. F. 5284
Su, J. D. 3785, 5244, 6212
Suárez, H. J. 1854, 6327
Subbaiah, T. K. 55
Subbayya, J. 4595
Subbiah, K. 7768
Subden, R. E. 5571
Subhadrabandhu, S. 1276
Subrahmanyam, K. V. 4893, 7840, 8283
Subrahmanyam, P. 9189
Subramanian, G. 3513, 6170
Subramanian, S. 1859, 9143
Subramanian, T. R. 5308
Subramanya, S. 7485
Šubrtová, D. 3264
Suchodolska, R. 502
Suckling, D. M. 8501
Sud, G. 2012
Sudama Singh 717
Sudarsanam, G. 1087
Sudha, S. 6853
Sudha Sharma 6172
Sudhakar, P. 8961
Sudhir, S. 3822, 9105
Suditu, P. 6608
Sudo, K. 1173
Sudo, S. 5862
Sudoi, V. 3197
Sudzuki Hills, F. 3863
Suekane, S. 9023
Suekawa, M. 2327
Suga, Y. 633
Sugahara, M. 9029
Sugahara, T. 7821
Sugar, D. 8562
Sugawara, Y. 2437
Sugaya, A. 5210, 7953
Sugaya, E. 5210
Suge, H. 997
Suggs, C. W. 5620
Sugimoto, Y. 6989, 9212
Sugimura, Y. 6989, 9212
Sugiura, A. 4561, 6274
Sugiyama, K. 5147, 7972
Sugiyarta, E. 3185
Suh, J. K. 3567, 5032, 5038-5039
Suh, S. G. 5723
Suh, S. K. 5632
Suhag, L. S. 4583
Suhail Ahmad 3120
Suhaila Mohamed 698
Suire, C. 5861
Sujatha, K. 7933
Sukasman 7106-7107
Sukh Dev 2369
Sukhadia, H. L. 1058
Sukhanberdina, È. Kh. 2893
Sukhija, P. S. 4667
Sukhina, Z. D. 4895
Suksamrarn, A. 5116
Suksri, A. 680
Sulaiman, M. I. 2427
Sulakvelidze, Ts. P. 8120
Suleiman, H. 8309
Suleiman, M. S. 3071, 4526
Suleimanov, D. S. 2050
Sulgrove, S. M. 467-468
Sulladmath, U. V. 1526, 8263
Sullivan, T. P. 1954
Sulphur Institute 6375
Sultan, M. A. 5607
Sultana, V. 2214
Sultankhodzhaev, M. N. 3713, 8015
Sültemeyer, D. F. 3751
Sul'zhenko, L. V. 4942
Suman, C. L. 6632
Sumatra, M. 5166
Sumenkov, I. S. 317
Sumida, Y. 1063, 1091
Sumitomo, J. 3810
Summerfield, R. J. 5778
Summers, L. L. 8140
Summons, R. E. 7896
Sumner, D. R. 4097
Sun, C. 8678
Sun, F. 8112, 9210
Sun, G. D. 8088
Sun, H. F. 1136
Sun, N. J. 602, 5182, 8092
Sun, S. S. M. 4605
Sun, T. 767, 769
Sun, X. P. 5463
Sun, Z. J. 9028
Sundara, B. 1859
Sundaram, K. M. S. 4765
Sundararajan, S. 2937, 7477, 7768, 7816
Sundararaju, P. 3875
Sunder, R. 1103
Sundstrom, F. J. 310, 4142, 7726
Sundström, V. 8703
Sung, J. D. 8836
Sung, Z. R. 6757
Sunil Puri 1327
Sunkara, P. S. 557
Suon, K. N. 5122
Surányi, D. 2579
Surányi, K. 7413
Suresh, S. 4880
Surga, J. 3166
Suri, O. P. 6948, 8063
Suri, R. K. 6152
Suri, S. M. 8552
Surinrut, P. 1555
Surmaghy, M. H. S. 6215-6216, 9188
Surmava, T. A. 8360
Suruzhiu, A. I. 2896
Suryanarayana, V. V. S. 5222
Suslow, T. V. 4769
Sutarno, H. 6128
Sütçü, A. R. 9296
Sutherland, J. M. 1491
Sutherland, R. A. 8388
Suto, K. 5190
Sutomo, T. 3886
Sutter, E. 4434
Sutton, M. W. 7873
Sutton, T. B. 3251-3252
Sutulova, V. I. 4194
Suwan, M. A. 5394
Suwwan, M. A. 316, 8963
Suzdal'tseva, V. A. 8511
Suzuki, A. 7502
Suzuki, H. 2342, 5451
Suzuki, M. 633, 3115, 7025
Suzuki, S. 392, 1680, 3109, 9190
Suzuki, Y. 1134, 6713, 6729, 7843
Svanberg, L. R. 7763
Švejcar, V. 859
Svejda, F. 484, 490, 6094
Svendsen, A. B. 508, 630, 1676, 2335, 5145
Svensen, B. 628
Svensson, R. 7827
Svikle, D. Ya. 6852
Svoboda, A. 1999, 2679
Svoboda, K. S. 8027
Swamy, G. S. 8180
Swamy, P. N. 7948
Swanepoel, J. J. 169
Swanson, B. T. 7926
Swarnkar, P. L. 5999
Swart, A. 7863
Swarts, B. 4536
Sweden, International Foundation for Science 5376
Sweden, Sveriges Lantbruksuniversitet 8377-8378
Sweeney, D. W. 330
Sweet, C. P. M. 5345
Sweet, R. D. 8669
Swenson, S. I. 220
Świader, J. M. 2845
Święcicki, W. K. 8802
Swietlik, D. 71
Swift, R. S. 2844
Swisher, B. A. 7596
Switzerland, Eidgenössische Forschungsanstalt für Landwirtschaftlichen Pflanzenbau 7119
Switzerland, Station Fédérale de Recherches Agronomiques de Changins 8449, 8482
Sy, M. O. 3263
Syarkevich, O. R. 2390
Sybouts, M. G. 4386
Sydnor, T. D. 461, 1036
Syed Ismail 1840
Sykes, S. R. 5575
Syli, V. N. 7220
Sylvestre, I. 376
Symonds, W. 8391
Synman, J. C. 9303
Synnevåg, G. 7798
Syogawa, H. 3109
Syrchina, A. I. 6972
Syrku, R. F. 4797
Syrov, V. N. 2338
Syvertsen, J. P. 1803, 4539, 7028
Szabo, A. 5552
Szabó, A. S. 7444
Szabó, G. 6567
Szabó, Z. 7324
Szalay, P. 3677
Szalewicz, A. 4924
Szczepaniak, A. 5817
Szendrei, K. 4499
Szenyei, A. 4370
Szigeti, Z. 5585
Szitó, A. 7665
Szmidt, R. A. K. 8889
Szőke, É. 2371
Szopa, J. 4900, 7613
Sztejnberg, A. 1291
Szucs, E. 5470
Szumilo, T. 4203
Szweykowska, A. 377
Szwonek, E. 2923, 2931
't Hart, C. 5619
Tabagari, L. G. 1871
Tabagari, M. L. 1871
Tabata, M. 633, 3069, 3115, 5150, 6204, 6997, 8023, 8116, 9199
Tabata, Y. 1124
Taber, H. G. 7593

Tabuenca, M. C. 5497
Tacconi, R. 7429
Tachibana, H. 1200
Tachibana, S. 4189
Tadeo, J. L. 657, 1204
Tadzhibaev, M. M. 9122
Taeb, A. G. 4376
Tafani, R. 8547
Taffazoli, R. 7977
Tagahara, K. 8031, 9126
Tagawa, M. 1068, 3780
Taggi, R. 7163
Tagiev, A. G. 2050
Tagliasacchi, A. M. 4696
Taguchi, H. 2327, 3803
Taguchi, Y. 8011
Taha, H. 8940
Taha, S. M. 86
Tahardi, S. 7010
Tahir Rasheed 2367
Tahvonen, R. 5689
Tai, K. Y. 6762
Tai, P. Y. P. 9381
Taimatsu, T. 6524
Tainha, A. 4691
Taira, S. 4561
Tairbekov, M. G. 968
Taiwan, Institute of Botany, Academia Sinica 7136
Tajima, C. 8707
Takada, F. 2453
Takada, M. 1461
Takagi, S. 1741
Takagi, T. 2413-2414
Takahama, U. 6798, 7651
Takahashi, A. 5147
Takahashi, B. 4174
Takahashi, C. 2987
Takahashi, H. 4193
Takahashi, K. 1761, 3798, 6719, 6746
Takahashi, M. 3576, 4844
Takahashi, N. 25, 3423, 4204, 7620, 7843
Takahashi, T. 2284, 2341
Takahashi, Y. 4845, 5460
Takaishi, K. 7047
Takaishi, Y. 2448, 6926
Takaki, M. 2854, 6636, 7112
Takaku, T. 1212
Takakura, T. 1259
Takamaru, T. 3165
Takanashi, M. 5230
Takano, T. 4814, 4837, 5646, 5902
Takao, H. 6947
Takao, N. 566
Takasaki, M. 8064
Takase, M. 1108
Takayama, H. 1097, 3763
Takayama, K. 8707
Takayanagi, K. 189, 7358
Takeda, F. 4036
Takeda, J. 894
Takeda, K. 5020, 7961
Takeda, S. 1173, 3803
Takeda, Y. 2417, 8082, 8345, 9170
Takemoto, B. K. 7153
Takemoto, I. 6926
Takemoto, T. 1153, 5351, 6895, 9214-9215
Takenaka, M. 1759
Takeo, T. 1869
Takeoka, G. R. 3301, 8558
Takeshita, T. 5216
Takeuchi, K. 1124, 3023, 3075
Takeuchi, Y. 6643
Takeya, K. 588, 2374, 2385, 2451, 5214
Takizawa, N. 2365
Takizawa, Y. 5230
Takkar, P. N. 7077
Takmaz-Nisancioglu, S. 7625
Taksdal, G. 7796
Tal, E. 824
Talanova, V. V. 4970
Talbert, R. E. 7704
Talbott, L. D. 8828
Talboys, P. W. 3697
Taleisnik, E. 4318
Taleisnik, E. L. 334
Talia, M. C. 1597-1598, 1600, 1606, 6814
Tallarico, R. 5025
Tallevi, S. G. 8040
Tăloi, N. 2767
Talou, T. 4344
Talwar, K. K. 9240, 9382
Tama, K. 1198
Tamai, N. 5655
Tamang, B. K. 9101
Tamba-Vemba 3083
Tamer, A. U. 6200
Tamietti, G. 1521, 1538, 5627, 5756, 6738
Tammaru, I. N. 5186
Tampake, H. 6301
Tamura, K. I. 6946
Tamura, T. 2366, 4204, 5179
Tan, C. L. 236
Tan, C. S. 2895, 7300
Tan, H. 8320
Tan, H. L. 4946
Tan, K. H. 5456
Tan, S. C. 7627
Tan, W. 2193
Tan, Z. Y. 7466
Tan Yap Pau 9362
Tanabe, H. 5200
Tanahashi, T. 5121
Tanaka, A. 7921
Tanaka, A. K. 3934
Tanaka, I. 6032, 7869
Tanaka, K. 7179
Tanaka, M. 8689
Tanaka, O. 2426, 6921, 9160
Tanaka, R. 1734, 3757
Tanaka, S. 898-899, 5150
Tanaka, T. 579, 612, 2407, 2523, 3110, 6001, 6783, 6946, 7910
Tanaka, T. T. 1174
Tanaka, Y. 1200
Tandon, D. K. 5322
Tandon, H. L. S. 2580
Tandu, K. R. 4490, 4494
Taneja, S. C. 1757
Tang, A. Y. 364
Tang, C. S. 395, 455, 1688, 6839
Tang, P. H. 1018
Tang, R. T. 9384
Tang, S. 2683, 4011, 7310
Tang, S. R. 1127
Tang, Y. 1110
Tang, Y. F. 1128
Tani, S. 8032
Tani, T. 2353, 3098
Tani, T 3730
Tanigoshi, L. K. 7245
Taniguchi, M. 1124, 6239
Taniguchi, S. 5351
Taniguchi, T. 221
Tanimoto, E. 878
Taniputra, B. 9369
Tankevich, V. V. 5434
Tanksley, S. D. 3915
Tanoguchi, M. 2391
Tanoue, C. 1461
Tantawi, A. M. 7100
Tantisewie, B. 6976, 8113
Tantivatana, P. 1123, 8055
Tanzi, M. 5848
Tao, R. 6274
Tao, Y. 9202
Taoka, S. 3443
Tapia F., M. L. 2881
Tapia I., L. 671
Tapia Iturrieta, L. A. 672
Tapp, A. 4311
Tappeiner, P. 3207
Tarafdar, J. C. 2796
Tarakanov, G. I. 956, 5741
Taranenko, E. I. 2149
Tarantino, E. 6726
Taranu, P. 2663
Tarar, J. L. 5043
Tarasjev, A. 8976
Tărăță, G. 2662
Tarbouriech, M. F. 1270
Tarchevskil, I. A. 4915
Tardif, S. 6379
Tariq, M. 723, 2375, 3655, 6186
Tarish, J. H. 1080
Tarkowska, J. A. 5805
Tărnăuceanu, E. 6559
Tarosova, E. O. 2156
Tarrant, C. A. 9262
Tartarotti, M. 6952
Tasaki, H. 3205
Taşdelen, R. 145
Tashiro, N. 9258
Tashkhodzhaev, B. 3759, 3772
Tassara, M. A. 3239
Tatarinov, A. N. 5434
Tatarishvili, A. N. 9268
Tate, J. L. 1490
Tate, K. G. 283, 5544
Tateba, H. 4024
Tateoka, T. 1896
Tateoka, T. N. 1896
Tatsuka, K. 9023
Tattini, M. 8216, 8474, 8547, 9294
Taucher, J. A. 8228
Taupier-Letage, B. 2089
Taussig, S. J. 5331
Tauzin, Y. 87
Tavadze, P. G. 4090
Tavartkiladze, S. K. 6351
Tavdumadze, È. I. 8361
Tavdumadze, K. R. 1214
Tavernier, D. 3812
Tawadros, H. W. 8789
Tawfik, A. E. 7299, 7774
Tay U., J. 5746
Tayal, M. S. 4971
Tayama, H. K. 5990, 6776
Tayde, G. S. 2148, 2301, 8173
Taylor, A. G. 5618, 5750
Taylor, B. H. 2674
Taylor, B. K. 50
Taylor, C. E. 5155
Taylor, C. W. 5100
Taylor, H. 1095, 8024, 8066, 8736
Taylor, R. B. 3091
Taylor, R. M. 161, 5857, 7722
Taylor, S. 7649
Taylor, S. J. 9325, 9330
Taylor, W. C. 1698, 1877
Tazzari, L. 8474
Tedesco, G. 6537
Tegel, S. 3645
Tehrani, G. 4019
Teisson, C. 8233
Tejeda, M. A. J. 7444
Tejklová, E. 7664
Tejwani, K. G. 690
Tekhneryadnova, R. T. 8647
Telfer, A. 4260, 5811
Tel'nov, V. A. 3714
Temizer, A. 3760
Temperini, O. 4962
Tempesta, M. S. 3091
Temprano, F. J. 6418
Ten Broeck, C. W. 5618
Tena-Betancourt, E. 3087
Tenda, H. T. E. 9334
Tendille, C. 3937
Teng, Y. T. 3887
Tenhunen, J. D. 1049
Tenma, H. 4501
Tennes, B. R. 3982, 7197-7198, 8443-8444
Tenorio, J. L. 640, 8159
Tentoni, P. 6450
Teo, C. K. H. 9375
Teofilov, T. I. 7729
Terada, S. 1108
Teranishi, R. 4332
Terashima, I. 4846-4847
Terbe, I. 6708
Terem, B. 4520, 5221, 6915
Terencìo, C. 8101
Teren'ko, G. N. 3247
Tereshchenko, A. P. 5577
Termine, E. 2089
Terno, I. S. 3753
Terpó, A. 1898
Terretaz, C. 8726
Terrettaz, R. 8603
Terry, I. 7250
Terry, P. H. 3594
Terschüren, H. J. 7234
Teshima, D. 8042-8043
Tesi, R. 311, 1529, 4306, 4394, 4633, 5025, 5030, 5715, 6846
Teske, L. H. 713
Teslenko, L. F. 816
Teslov, L. S. 8037
Teso, R. R. 1406
Tešović, Ž. 6514
Testolin, R. 124
Teşu, V. 6540, 6561
Tétényi, P. 2306, 3815-3816
Tew, T. L. 8325
Tewari, G. C. 5866
Tewari, J. C. 1960
Tewari, J. D. 4679
Tewari, J. P. 4020, 6543
Tewari, S. C. 6765
Tewfik, A. A. 1381, 5591
Texier, L. 6611
Tezuka, T. 5398
Tezuka, Y. 2302, 3109, 3657, 3752, 9155, 9174
Thai, C. N. 2822-2823
Thaire Lalitha 4530
Thakar, N. A. 3471
Thakral, K. K. 8852
Thakur, A. K. 8505, 8552
Thakur, D. K. 4465
Thakur, D. R. 8555-8556
Thakur, G. C. 8512
Thakur, J. C. 2090, 8676
Thakur, N. R. 6624
Thakur, R. S. 516, 569, 1077, 3014, 3716, 3786, 4462, 5747, 6185, 8018
Thakur, S. 2366, 5151, 5179
Thamburaj, S. 7949
Thammasiri, K. 455, 6839
Thapar, V. K. 8842
Thaper, R. K. 6948
Thatai, S. K. 6555
Thaxton, D. R. 3001
Thelander, R. B. 8122
Thellier, M. 2098
Thengane, R. J. 6034
Thenmozhi, V. 3059
Theoduloz, C. 3756, 5224
Thépenier, P. 629, 4524
Therios, I. N. 6271
Theriot, L. J. 3936
Therrien, H. P. 5560
Theunissen, J. 8727, 8923
Thiagarajan, S. 8314
Thiébaut, J. T. L. 7102
Thiel, A. 8700
Thillaisthanam, P. N. 5321
Thimann, K. V. 3909
Thindwa, H. Z. 2533
Thinggaard, K. 6653
Thirion, A. 3764
Thirupathaiah, V. 1355, 7064
Thiruvikraman, S. V. 7659
Thom, M. 1235-1236, 7104
Thomas, D. H. 5392
Thomas, D. R. 1508, 5783, 7661, 7691
Thomas, D. W. 9137
Thomas, G. O. 3179, 9337
Thomas, G. V. 3875, 4578, 8260
Thomas, J. C. 4590, 9222
Thomas, L. P. 7725
Thomas, M. J. 3485
Thomas, P. 1418, 7710
Thomas, P. G. 7679
Thomas, R. J. 1491, 6674, 8773, 8775
Thomas, T. N. 5620
Thompson, A. K. 701, 1218
Thompson, A. R. 889, 3381
Thompson, C. R. 9263
Thompson, D. P. 7970
Thompson, D. R. 7559-7560
Thompson, J. E. 989, 1492, 2205-2206
Thompson, J. F. 5676

Thompson, W. F. 931
Thomson, M. E. 3315
Thomson, W. W. 2503, 2804
Thontadarya, T. S. 5858
Thornber, J. P. 4921
Thorne, C. B. 409, 6777
Thorp, G. 7034
Thorp, T. G. 3858
Thorpe, M. R. 4228
Thorpe, T. A. 228, 2832
Thron, U. 4461
Throop, J. A. 2645
Thuesen, A. 1364
Thwaite, W. G. 4689, 5406, 8379
Tian, Q. L. 534
Tian, Z. 4491
Tibbitts, T. W. 23, 5670
Tichá, I. 3417
Tien, P. 2154
Tiessen, H. 281, 2166
Tiezzi, A. 3256
Tih, R. G. 2376
Tikhonov, A. N. 926
Tikhonov, N. I. 8735
Tikhonyak, A. I. 4685-4686
Tillequin, F. 1770
Tillett, N. D. 4166, 8661
Tilmisany, A. K. 4527
Tilt, K. M. 2265
Timina, O. O. 7715
Timirgaziu, E. 4216
Timm, E. J. 2607, 6477
Timm, H. 7644-7645
Timmons, T. 8140
Timor, C. 6222
Timoshenko, N. M. 1638
Tindall, H. D. 8380
Ting, I. P. 1622
Ting, K. C. 8412, 8414
Ting, Y. N. 1438
Tipton, J. L. 1646, 1912, 8161
Tira, S. 8068
Tirilly, Y. 1537
Tishkin, V. S. 2449
Tissaoui, T. 7807
Tisserat, B. 1806, 5017
Titanji, V. P. K. 6154
Titel, C. 1254
Titone, P. 9002-9003
Titov, A. F. 4970
Tiwari, J. P. 8282
Tiwari, K. N. 6121
Tjell, J. C. 7517
Tjia, B. 995
Tjosvold, S. A. 2268
Tkachenko, K. G. 4455, 6146
Tkachev, V. V. 3811
Tkebuchava, A. L. 1870, 6356
Tobata, T. 9053
Tober, I. 5693
Todorov, I. 4280, 8853
Todorov, T. S. 2853
Todorov, T. V. 1545
Todorov, Y. 8853
Toerien, J. C. 2483, 2499
Toffolon, R. B. 7552, 7606, 7637, 7777
Tognoni, F. 8854
Togun, R. A. 681
Tok, A. 2732
Tőkés, A. 2694, 3288
Tokhtabaeva, G. M. 3572
Tokimitsu, Y. 5218
Toksobaeva, G. A. 7678
Tokuda, H. 8064
Tokumasu, S. 4875, 5015
Tokumori, T. 1063, 1091
Tokur, S. 6200
Toledano, J. C. 7157
Tolkachev, O. N. 3320, 3572
Tolokonnikov, V. I. 972
Toma, C. 7282
Toma, L. D. 6469
Toma, S. I. 5596
Toman, S. I. 3510
Tomana, T. 4561
Tomar, C. S. 8479
Tomás, F. 3108
Tomás-Barberán, F. 6226
Tomás-Barberán, F. A. 403, 2436, 6150
Tomás-Lorente, F. 6226
Tomashek, G. I. 7231
Tomashof, R. 8139
Tomášková, D. 5403, 8794
Tomason, R. Yu. 7582
Tomaz, I. L. 5642, 6530, 6566
Tombesi, A. 6489, 7045, 7048, 8218
Tombesi, O. L. 1019
Tomé, F. 8017
Tome, F. 1096
Tomer, E. 6263
Tomer, N. S. 5278, 6554
Tomic, J. C. 4605
Tomimatsu, T. 2448, 6926
Tomimori, T. 3111
Tominaga, S. 9270-9271
Tominaga, Y. 8939
Tomita, H. 6810
Tomko, J. 6812
Tomlinson, J. A. 3353
Tommasi, N. de 8034-8035
Tomoda, M. 1140, 5204
Tomos, A. D. 7962
Tone, S. 7535
Tong, D. 6073
Tong, Y. A. 3961, 5463
Tongsomsri, A. 8313
Tonkonozhenko, A. A. 2731
Tonn, C. E. 3728
Tonnet, M. L. 8142, 8153
Tonutti, P. 3279, 4720, 4780, 6494
Topart, P. 8236
Topcu, G. 617, 5221
Toppel, G. 8108
Töpperwein, H. 485, 1052
Torchinskaya, P. A. 3692
Torello, W. A. 3585
Tori, M. 1634, 3073
Torné, C. 3189
Torre, C. D. L. 2093
Torre, C. de la 8687
Torre, G. della 4200
Torre, M. C. de la 6231, 6996
Torrecillas, A. 5422
Torregrosa, A. 7452
Torrenegra, R. 6988
Torres, A. M. 5260
Torres, K. C. 2283
Torres, L. 4833
Torres, M. F. 2333
Torresin, G. C. 1391, 5604
Toruan, N. 6290
Toscano, J. C. 6745
Toshiro, K. 2281
Tosi, B. 1120
Tosi, D. 1529, 4306, 4394, 5025, 5030, 6846
Tosi, E. 2038
Tosi, T. 2038, 4780
Tošić, M. 7302
Tóth, E. T. 8029
Tóth, F. 7413
Toth, J. 1532
Totino, L. C. 8338
Totsuka, N. 2385
Totté, J. 3083
Toukhi, F. M. el 4861
Toul, V. 879
Toulemonde, B. 7954
Toumadje, A. 3286
Towers, G. H. N. 1688, 3112, 5160, 5192, 8829
Townsend, E. C. 1345
Toyama, S. 8769
Toyomasu, T. 984
Tozan, M. 8875
Tozzi, M. 4000-4001
Traberg-Borup, S. 2597
Tracy, J. E. 5252, 5257
Tramontano, W. A. 1515, 3460
Trapateau, M. 896
Trapeznikov, V. K. 7683
Traversa, E. 1597-1598, 1600
Traversi, D. 3271
Traversi, M. L. 8547
Travis, J. W. 3251-3252
Treaster, S. A. 465, 1053
Treharne, K. J. 4941
Trematerra, P. 8506
Tremblay, N. 977, 3504, 7764, 7809
Trethowan, M. E. 7737-7738
Treutter, D. 788, 4754
Trevisani, G. 2630
Trewavas, A. 1513
Trewavas, A. J. 3420
Tri-ology Technical Report 6484
Tricoli, D. M. 7588
Trifonov, A. 3707
Triggs, C. M. 197
Trigiano, R. N. 5085
Trigui, A. 7043
Trikha, A. 4246
Trillot, M. 7235
Tringali, C. 1171
Trinh, T. H. 1154
Triolo, E. 5673
Tripathi, B. K. 6328
Tripathi, B. M. 5293
Tripathi, G. M. 4161, 7306
Tripathi, G. S. 3777
Tripathi, M. P. 7085
Tripathi, R. D. 7698
Tripathi, S. C. 1708
Tripathi, S. N. 8517, 8555-8556
Tripathi, S. P. 2107, 5442
Tripathi, S. S. 2092
Tripathi, Y. C. 6949-6950, 7003-7004
Tripathy, B. C. 7608
Tripepi, R. R. 6073
Trippi, V. S. 8951
Trique, B. 1537
Trites, L. F. 909
Trivedi, V. P. 8081
Trochoulias, T. 7014
Trofimov, T. T. 1878
Trofimova, E. P. 5615
Tromp, J. 72, 761, 7237
Troncoso, A. 3276, 9290
Tronel, C. 87
Tronsmo, A. 7242
Trottin-Caudal, Y. 896
Troupe, N. 1093
Troyanowsky, C. 6376
Troyanskaya, A. I. 8344
Trudel, M. J. 255, 1535, 2161, 3496, 3504, 7764
Trudgill, D. L. 4762
Truel, P. 151
Trunova, T. I. 6412
Trushechkin, V. G. 2742, 4065
Trushnikov, L. G. 3955
Truter, A. B. 810, 2500
Tryon, J. L. 8138
Trzhetsinskiĭ, S. D. 2449
Tsai, D. S. 3503
Tsapalova, I. È. 4400
Tsar'kova, T. F. 2742
Tsatsarelis, C. A. 3159
Tscheuschner, H. D. 3267
Tsefamichael, T. 7970
Tsereteli, G. A. 1195
Tsertsvadze, T. A. 3145
Tseu, C. C. T. 7066
Tsibul'skaya, I. A. 6146
Tsikalas, P. E. 2912-2913
Tsinovskis, R. E. 5364
Tsirakoglou, B. 2889
Tsitsa-Tzardi, E. 576
Tsivinskiĭ, A. N. 5483
Tskhvediani, I. Sh. 3203
Tskvitishvili, N. A. 3856
Tsonev, R. 5481
Tsubono, K. 2448
Tsuchida, T. 3722
Tsuchiya, T. 6035
Tsuda, T. 5210, 7953
Tsuda, Y. 1743, 2345
Tsujita, M. J. 1641
Tsukahara, K. 7223
Tsukahara, S. 1413
Tsulaya, R. V. 6250
Tsumuraya, Y. 3391, 8933
Tsuneya, T. 9073
Tsuruda, K. 7921
Tsurumi, G. 8920
Tsushida, T. 1869, 3196, 3201, 3204, 3902, 5350, 6359
Tsutakawa, S. 8824
Tsuyuki, T. 2284, 2341
Tsvetkov, V. 4794
Tsyngalev, N. M. 1315
Tsypko, M. V. 2751, 7376
Tu, G. 595, 3743
Tu, G. S. 1728, 9141
Tu, J. C. 5804, 7627, 8776
Tu, Y. Y. 550
Tu, Z. B. 9176
Tucić, B. 4373, 8976
Tucker, D. P. H. 3127
Tucker, G. A. 1543
Tucker, T. C. 2910-2911, 8899
Tudor, T. A. 4151
Tukendorf, A. 7498
Tukey, L. D. 9042
Tunçer, K. 4547
Tung, M. A. 8912
Tuntiwachwuttikul, P. 1186
Tuov, M. T. 8344
Turan, G. 8170
Turchenkov, G. I. 5874
Turchetti, T. 5487
Turci, E. 6458
Turcotte, G. 6645
Turekhanova, R. M. 6536
Turgeon, A. J. 1611
Turgeon, R. 7898, 8825
Túri, I. 4283
Turjoman, A. M. 9278
Turkoz, S. 1185, 8033, 9129
Turmukhambetov, A. Zh. 3068
Turner, D. W. 3870
Turner, J. C. 6177
Turner, J. E. 1909
Turner, M. K. 2831, 5684
Turner, N. A. 5533
Turovskaya, N. I. 1271, 2004, 4058
Turovtsev, N. I. 741, 1971
Turovtseva, V. A. 1971
Turpin, J. W. 7182
Turri, S. 4808
Tutberidze, B. D. 1791, 2516, 3829, 6244
Tuyl, J. M. van 2220, 8974, 8979
Tuzcu, Ö. 645, 9245
Tuzlaci, E. 3801, 6915
Twaij, H. A. A. 1080, 3039, 4343
Tworkoski, T. J. 1047, 5449
Tyler, K. B. 3379
Tyler, R. T. 1722
Tyler, V. O. 8006
Tylkowska, K. 4977
Tyulenev, V. M. 6525
Tzekléev, G. 8401
Tzinas, G. 5761
Ubasheev, I. O. 1701, 1746
Ubavić, M. 7454
Ubeeva, I. P. 1701
Ucheagwu, A. C. 3182
Uchida, K. 3736
Ucko, O. 3502
Udagawa, A. 3086
Uddin, M. S. 4191
Udhejo, N. K. 9385
Udrescu, S. 2768
Udvarhelyi, P. 5810
Uebel, E. C. 4466
Uebelhart, P. 2998
Ueda, I. 3735
Uehara, I. 6913
Uehara, S. I. 2374
Ueki, K. 5418, 6247
Uematsu, J. 6810
Uemoto, S. 4096, 9035
Uemura, M. 8596
Uemura, T. 7047
Ueno, A. 2365, 2417, 2820, 3721, 9117
Ueno, H. 1680, 3109, 9190
Ueoka, T. 8986
Uesato, S. 1167, 3780

Ueyama, T. 5351
Ueyama, Y. 9110
Uffelen, J. A. M. van 4099, 4103, 4631, 4938, 5713, 7598-7599
Ugalde-Vargas, A. 5238
Ughini, V. 4727, 4756
Ugolik, M. 2726
Uhlig, J. W. 3514
Uhrín, D. 6812
Ujita, K. 2448
UK, AFRC Institute of Horticultural Research 8386
UK, Association of Applied Biologists 7128
UK, British Agricultural and Horticultural Plastics Association 8381
UK, Institute of Horticulture 4612
UK, West of Scotland Agricultural College 1893
Ukai, S. 2349
Ukrainian SSR, Khersonskaya Selektsionnaya Opytnaya Stantsiya Bakhchevodstva 7584
Ulenberg, S. A. 1042
Ul'kina, Zh. I. 4514
Ullah, M. R. 1237
Ullasa, B. A. 8658
Ulrich, M. 5551
Ulrich, T. H. 4981, 7806
Ulubelde, M. 8168
Ulubelen, A. 617, 3801, 4520, 5221, 6915
Ulukuş, I. 5909
Ulukuş İ. 7773
Ulvskov, P. 444
Ul'yanova, D. A. 7350
Um, S. H. 5092
Um, S. K. 4984
Umaña, G. 1337
Umano, K. 3293
Umapathy, K. P. 1268
Umarov, A. 2699
Umarova, R. U. 8054
Umeda, S. 8920
Umemoto, K. 9073
Umetani, Y. 5150
Umetsu, N. 3934
Umeyama, A. 1153, 9214-9215
Umezawa, I. 1608, 8050
Umięcka, L. 4340
Umiel, N. 5967
Ünal, A. 4668
Undurraga, P. 2495
Ungaro, A. 6422
Uniyal, G. C. 8048
Unnikrishnan, M. K. 5231
Unrath, C. R. 1961-1962, 4699
Uosukainen, M. 3616
Upadhyay, N. P. 5293
Upadhyaya, A. 5759
Upadhyaya, G. 1472
Upadhyaya, S. K. 7255
Upadhye, A. B. 6827
Uphadye 8009
Uppal, D. K. 1919, 3943, 4664, 5268, 8452
Ur Rehman, F. 1865
Ura, M. 352
Urata, J. 8864
Urbach, W. 5649
Urbanovīch, T. A. 5828
Urena, R. 653
Uribe, E. G. 2254-2255
Uriely, E. 8881
Urones, J. G. 3682
Urunov, F. 3237
Urushadze, U. D. 1874, 3161
Urwank, S. 8583
USA, American Society for Horticultural Science 10, 1247-1248, 1887-1889, 5377-5378, 7129-7130
USA, California Avocado Society 4610-4611
USA, Florida State Horticultural Society 2584
USA, Hawaiian Sugar Planters' Association 8387
USA, Michigan State Horticultural Society 3219
USA, Ohio State University 3918
USA, Purcell Jojoba Company 8121
USA, Weed Science Society of America 5379
Usai, M. 5243
Usha Bhalle 290
Ushakov, V. B. 8070
Ushimaya, M. 5305
Ushiyama, T. 2370
Usman 6130
Usmanghani, K. 2365
Usmanov, I. Yu. 7683
Usmanova, S. K. 3714
USSR, Gor'kovskii Sel'skokhozyaĭstvennyĭ Institut 1881
Utami, N. W. 6128
Utkhede, R. S. 7243
Utulu, S. N. 9364
Uvarova, N. I. 9182
Uzabakiliho, B. 639
Uzun, H. İ. 4810, 7374
Uzunov, I. 7751
Vaast, P. 8252
Vacante, V. 7189, 7458, 7780, 8956
Vacaru-Opriș, M. 6469, 6718
Vachiůn, Z. 1967
Vachnadze, V. Yu. 2450, 3114
Vachůn, Z. 1312
Vadachkoriya, Ts. T. 7957
Vaganova, G. A. 2960
Vagny, P. 4092
Vaid, R. M. 5198
Vaigro-Wolff, A. L. 1051
Vaikos, N. P. 8967
Vaisov, Z. M. 3749
Vajna, L. 5736
Vakar', B. G. 4067
Vakar', V. G. 7376
Vaklinova, S. G. 7650
Val, J. 5482, 5497
Val Manterola, L. 8200
Valachovič, A. 8625
Valdés, M. 5397
Valdes, V. M. 873
Valdés Ruiz, J. O. 6304
Valencia, A. 2402
Valente, J. P. 5780
Valenti, V. 2122
Valenzuela, J. L. 5899
Valenzuela B., J. 795, 3273, 3292, 3307
Valero, K. A. 3233, 8453
Valich, J. 1809
Valk, G. G. M. van der 2957, 7874
Válka, I. 8069
Vallade, J. 7960
Valle, A. A. 2410
Valle, M. G. 8068
Valle, N. del 5267
Valle Gutiérrez, C. J. 6904
Valles, M. 4419, 4421
Valli, R. 4727
Valpuesta, V. 2920, 6496
Valverde, E. 3397, 8295
Vamadevan, V. K. 9335
Van Aartrijk, J. 3570, 5027
Van Adrichem, P. C. C. 8741
Van Amerongen, H. 5810
Van Assche, F. 7621
Van Bastelaere, H. 7355
Van Beusichem, M. L. 8774
Van Dam, M. 6023
Van Damme, E. J. M. 8968
Van de Homberg, P. 8906
Van de Lindeloof, C. P. J. 4056
Van de Pol, P. A. 2993, 5974
Van de Sande, J. 5886
Van de Sande, S. 7746
Van de Steene, F. 8730
Van de Vrie, M. 7835
Van de Werken, H. 6106, 6842
Van de Wetering, D. A. M. 2129
Van den Berg, A. J. J. 8102
Van den Berg, G. A. 6851
Van den Berg, M. A. 1800
Van den Berghe, D. A. 3083
Van den Bogaard, R. 7746
Van den Bos, A. L. 4143
Van den Handel, M. C. M. 7919
Van den Heuvel, J. 5957
Van der Berg, A. M. M. 4307
Van der Bliek, W. 4706, 5479
Van der Boon, J. 4870, 7518, 7919, 8981
Van der Burg, A. 7756
Van der Gulik, T. 4874
Van der Harst, B. 2979
Van der Hoeven, A. P. 5981
Van der Kinderen, G. 3605
Van der Linde, H. J. 3881
Van der Linde, P. C. G. 3570, 5027, 8977
Van der Lindeloof, C. P. J. 7359
Van der Meys, Q. G. 2979
Van der Scheer, H. A. T. 4773, 7244
Van der Valk, G. G. M. 7874
Van der Venter, H. A. 7091
Van der Vies, S. M. 8822
Van der Vlugt, J. L. F. 4894
Van der Walt, J. J. A. 6780
Van der Wolk, C. 6377
Van Die, J. 4972
Van Diën, M. P. 8979
Van Dijke, J. F. 5466
Van Durren, M. 8248-8249
Van Duyn, P. 6388
Van Duyne, B. C. 6116
Van Ee, G. R. 6477
Van Eijk, J. P. 6815, 8984
Van Frankenhuyzen, A. 1042
Van Gastel, A. 8614
Van Gastel, A. J. G. 7124
Van Gelder, W. M. J. 7141
Van Gorkom, H. J. 8702
Van Grondelle, R. 5810, 8703
Van Hasselt, P. R. 2803
Van Heel, M. 4854
Van Heyningen, P. 7158
Van Holsteijn, G. P. A. 4308, 6721
Van Holsteyn, S. 7567
Van Hoof, L. 3083
Van Keulen, H. A. 6815
Van Kruistum, G. 6610, 6612
Van Kuik, J. A. 2126
Van Leeuwen, P. A. S. 4488
Van Loo, E. N. 2803
Van Oosten, A. A. 7345
Van Os, E. A. 8839
Van Overbeeke, J. 7271
Van Overbeeke, J. M. 5479
Van Praagh, J. P. 3303
Van Ravenstijn, W. 7786
Van Rijbroek, P. 7794
Van Roekel, T. 3553
Van Ruiten, J. E. M. 5956
Van Saane, J. 6610, 6612
Van Sant, V. 5961
Van Schaik, A. C. R. 3969, 3971, 4701, 7267
Van Schaik, N. 9032
Van Staden, J. 3823, 7903, 8293
Van Steenwyk, R. A. 7214
Van Tuyl, J. M. 8974, 8979
Van Uffelen, J. A. M. 4099, 4103, 4631, 4938, 5713, 7598
Van Veenendaal, W. L. H. 6750
Van Volkenburgh, E. 7641
Van Waes, J. 3609
Van Wiemeersch, L. 2973
Van Wijchen, G. 6640
Van Wijk, C. 6607, 6613
Van Zyl, L. 6780
Váňa, J. 524
VanBuren, J. P. 868
Vandamme, J. 4334-4335
Vandergeten-Bollen, J. 5566
VanDerveer, D. 9204
Vanderveer, P. 4351
Vaněk, T. 2270
VanEtten, C. H. 4146
Vang-Petersen, O. 5458
Vanhaelen, M. 2368, 3748
VanKirk, J. R. 764
Vannacci, G. 5673, 5700
Vannucci, D. 174, 4081, 4091, 5158
Vanparijs, L. 7473, 7532
Vanparys, L. 2105-2106, 6647
Vansina, D. 7411
Vantour, A. 716
VanWagenen, B. C. 9171
Vanwezer, J. 459, 4416
Varga, A. 971
Varga, E. 4499
Varga, L. 7386, 7416
Varga, M. 2758
Varga, N. 2758-2759
Vargas, D. 3768
Vargas, G. 856, 1401
Vargas, H. 696
Vargas, T. T. 748
Vargas G., G. 2766
Varghese, T. M. 9133
Variyar, P. S. 4445
Varlamov, G. P. 7213
Varley, M. J. 5934
Varma, A. 9398
Varshney, M. D. 530
Vartak, V. D. 8009
Vartanyan, G. V. 2061
Varvaryuk, P. S. 3693
Vasander, H. 735
Vasantha Kumar 9083
Vásárhelyi, E. 1942
Vasas, G. 2184
Vasev, A. 8550, 8582
Vashalomidze, A. M. 6250
Vashchenko, T. N. 1702
Vashisht, K. D. 4934
Vasil, I. K. 5359, 5365
Vasil'chenko, E. A. 4523
Vasil'eva, A. V. 6682
Vasil'eva, I. S. 9148
Vasil'eva, O. Yu. 3637
Vasilevskaya, T. I. 5569
Vasina, O. E. 3790
Vass, E. 7841-7842
Vassilev, G. 6374
Vassilev, G. N. 1451
Vassová, A. 3640
Vasu Dev 1138
Vasudevan, P. 5938
Vasyanovich, V. D. 2840
Vatsya, B. 7955
Vattuone, M. A. 8965
Vaughan, G. 4324-4325
Vavilov, A. S. 2706
Vazhov, V. I. 3995
Vázquez, A. 1742
Vázquez, M. D. 4903
Vázquez Valdivia, V. 5251
Vdovin, A. D. 1102
Vdovtseva, T. 7297
Vdovtseva, T. A. 1330
Vecherina, N. A. 6351
Vedenicheva, N. P. 3409
Vedina, O. T. 4722
Veenendaal, W. L. H. van 6750
Veenstra, J. 7846
Veerannah, L. 7063, 7089
Veeraragavathatham, D. 2937, 7477, 7816
Vega, A. 2564
Vega, M. A. 7643
Velardocchia, R. 3332
Velasco Negueruela, A. 7987
Velazquez, A. 3113
Velázquez, D. 1232
Velcheva, N. 8499, 8504
Velemínský, J. 4365
Velev, B. 3412, 3491, 4287

Velichko, A. I. 5589
Velichkov, D. K. 3417
Veličković, M. 7266
Veliksar, S. G. 4797-4798, 5596
Velitchkova, M. 4262
Véliz, E. A. 3754
Veliz, G. 1735
Veljović, P. 61
Velthuys, B. R. 4849
Vendelbo, P. 6413
Vendola, D. 1606, 6814
Venglovskiĭ, B. I. 7330
Venhataraman, K. G. 3776
Venis, M. A. 1496, 8623
Venkataraman, L. V. 4530
Venkataramana, S. 717
Venkatasubramanian, H. 697
Venkateswarlu, B. 2869
Venkateswarlu, K. S. 8663
Venkatramani, S. 8884
Venketeswaran, S. 8148
Vennigerholz, F. 1590
Ventas, P. 640, 8159
Venter, H. A. van der 7091
Venturo, R. 374
Venzke Filho, R. C. 8336
Vera, J. 299-302
Vera B., J. 8247
Vera Muñoz, J. 48
Veräjänkorva, H. 3065
Verbelen, J. P. 908, 4489
Verbiscar, A. J. 3701
Verbist, J. F. 1067
Verbondsnieuws voor de Belgische Sierteelt 7879
Verde Jiménez, G. 4302
Verdier, M. L. 8636
Verdonck, O. 7177
Vereshchagin, A. L. 9194
Vereskovskiĭ, V. V. 1015, 3565
Verette, E. 2720
Verghese, A. 700
Verghese, J. 7971
Verhaegh, J. J. 1930
Verheij, E. W. M. 9358
Verhoyen, M. 5672
Verkade, S. D. 5063
Verlinden, A. 139, 7360
Verlodt, H. 4640
Verloo, M. 7497
Verma, A. 6345
Verma, A. K. 7247
Verma, A. N. 4945
Verma, B. P. 42, 4750
Verma, D. L. 4519, 5188, 9213
Verma, G. S. 526
Verma, H. S. 1945, 8476, 8479, 8481, 8485
Verma, K. D. 8485-8486, 8519
Verma, K. K. 9081
Verma, K. S. 3190
Verma, R. A. 7085
Verma, R. K. 3819, 5199
Verma, R. S. 3188, 9387
Verma, S. 3380, 6701, 8059
Verma, T. S. 7861
Vermeer, E. 2926, 6748
Vermenichev, S. M. 3818
Vermes, P. T. 4648
Vermeulen, P. 6736
Vernieri, P. 4696
Vernin, G. 5122
Verpoorte, R. 628-630, 2335, 3092, 3706, 4471
Vershnyak, V. M. 3673
Verwijs, D. L. 8602
Verykokidou-Vitsaropoulou, E. 1175
Verzár, R. 1695
Verzea, M. 3030
Verzhbitskiĭ, V. I. 3691
Veschambre, M. D. 1880
Vestrheim, S. 3996
Vézina, L. 5560
Vézina, L. P. 8810
Vial, R. C. 7305, 7307
Vicente, J. R. 7152
Vicente, M. 7996
Vick, B. A. 2809
Victoria, R. L. 4214-4215
Vidal, A. 1851
Vidal, J. P. 6880
Vidari, G. 2194, 3117
Vidaver, W. E. 220
Videnova, E. 8498
Vidor, C. 4211
Vidrio, H. 8110
Vidyasagar 260
Vieira, A. 5330
Vieira, R. F. 2855, 6673
Vieira, S. R. 1861
Viel, C. 1154, 5220, 6166
Vieri, M. 4081, 5158
Vies, S. M. van der 8822
Vieth, J. 994
Viggiani, G. 8527
Vigh, L. 7677
Vigliocco, R. 8577
Vij, V. K. 7023, 8172, 9250
Vijay, B. 4987
Vijayachandran, P. K. 6281
Vijaylakshmi, K. 6891
Vikram Singh 8733
Vikulov, S. V. 7212
Viladomat, F. 2231, 7834
Viljoen, H. M. 1813, 1838, 2008
Villa, P. L. 2883
Villa Nova, N. A. 8720
Villaamil, E. E. 6938
Villachica, H. 1842
Villalon, B. 2883
Villanueva, F. Reyes- 4026
Villar, A. 3709, 8101
Villareal, L. 891
Villareal, R. L. 5873
Villarraga, F. 5087
Villarreal, A. M. 9165
Villarroel, M. 820
Villegas, M. 3768
Villegas, R. 1233, 6341-6342
Villegas Delgado, R. 5338
Villeneuve, F. 1937, 6466
Villevieille, M. 896
Villiers, E. A. de 1813, 1838, 2008, 5319
Villiers, O. T. de 2681-2682
Villoldo Bellón, O. 8200
Viloiu, M. 2663
Vilsteren, A. E. M. van 9389
Vincent, C. 5447
Vincent, E. J. 6140
Vincent, J. C. 7076
Vincent, P. L. D. 6017
Vincieri, F. F. 4506
Vine, J. H. 1252
Vinent, E. 2321
Vinizky, I. 7652
Vinti, G. L. 2525
Vintsunas, T. S. 356, 4975
Vioayakumar, K. R. 9335
Virendra Singh 9072, 9074
Virgens Filho, A. de C. 6296
Virgin, H. I. 2836
Viseur, J. 4367
Vishanska, Yu. 92
Vishnoi, S. P. 542, 3715
Vishveshwara, S. 8263
Vishwakarma, R. A. 3723
Vishwanath, A. P. 7485
Vishwapaul 6961
Visockienė, G. 2899
Visquert, J. 706
Visser, A. J. de 1568
Visser, J. 3959
Visser, T. 1930
Viswakarma, M. 5043
Viswanatham, K. N. 9189
Vita-Finzi, P. 2194, 3117
Vitagliano, C. 124, 3234, 3281, 4735
Vitanov, M. 8572
Vitanova, I. 818, 8572
Viti, R. 3234, 6471
Vitkare, D. G. 5183
Vitkovskiĭ, V. L. 119
Vito, M. di 3505
Vitseva, O. I. 870
Vivekananda, J. 6694
Vivekanandan, M. 3447
Vizzotto, V. J. 4959
Vladimirov, B. 5876
Vlahos, M. 2057
Vlasova, E. A. 5921
V"lchev, N. 3490
Vliegenthart, J. F. G. 2126
Vlietinck, A. J. 3083, 8107
Vlugt, J. L. F. van der 4894
Vo-Dinh, T. 4831
Voet, J. G. 901
Vogel, G. 3395, 5391
Vogelezang, J. V. M. 2945
Vogelmann, A. F. 6177
Vogelmann, T. C. 3221, 8713
Vogelpoel, L. 2976-2978, 9012
Vogl, M. 1928
Vogt, T. 7228
Voican, A. V. 2902
Voican, V. 2902
Voigt, G. 6183
Vojvodić, D. 7241
Volder, F. de 5859
Volkenburgh, E. van 7641
Völker, M. 3366
Vollerner, Yu. S. 3364, 6910, 8020
Voloshina, Yu. S. 850
Volovik, O. I. 4923
Volpe, B. 2077
Volpi, L. 5012
Voltolina, G. 6897
Von Broembsen, L. 9248
Von Mollendorf, L. J. 2680-2682
Vonk Noordegraaf, C. 429
Voogt, W. 451, 7366, 8896
Voordeckers, A. 3992
Vorbrodt, H. M. 3807
Vorkefeld, S. 1495
Vorobeĭkov, G. A. 5791
Vorob'ev, V. A. 6688
Vorob'eva, G. M. 4064
Voronchikhina, A. Ya. 1319
Voronina, M. V. 4942, 5850
Vorontsov, V. A. 4797
Vorontsova, N. F. 2096
Voroshilov, V. N. 5239
Vorsa, N. 2030
Vorster, L. L. 2499
Vos, A. de 2457
Vos, J. de 979
Vos, M. H. 8702
Voskresenskaya, N. P. 937, 1458, 2142
Vosova, M. 4951
Voss, G. L. 6237
Voss, M. 4840
Voss, R. 8894
Vostřel, J. 523
Vostrowsky, O. 513, 1660, 9089
Voth, V. 4059
Votický, Z. 3640
Vozianova, N. G. 1044
Vozyakov, G. S. 4157
Vrabl, S. 7251
Vrecenak, A. J. 6074
Vreeburg, P. J. M. 2955, 6027, 7870, 8975
Vrie, M. van de 7835
Vries, D. P. de 2991, 3635
Vroomen, C. O. N. de 412
Vu, J. C. V. 3832
Vugal'ter, M. M. 8036
Vujčić, S. 5127, 8976
Vukovic, J. 1720, 6179, 6927
Vulić, T. 1310
Vulsteke, G. 5922, 7654
Vural, H. 7510
Vyas, D. S. 3781
Vyrodova, A. P. 4830, 7443
Vysotskene, G. 2899
Vysotskiĭ, V. A. 7205
Waart, A. J. P. van de 1927
Wachtel, M. F. 4086, 5275, 7328
Wacowska, M. 5805
Wada, M. 5054
Wada, S. 1680
Wadasinghe, G. 8349
Waddell, T. G. 1082
Wade, N. L. 3270
Waes, J. van 3609
Wagar, J. A. 4409
Wagener, G. 5578
Wagenknecht, J. 5954
Wagenmakers, P. S. 4752, 7227
Wagenvoort, W. A. 3469
Waghmare, P. R. 7052
Wagner, D. F. 2245, 6089
Wagner, H. 186, 1733, 1736, 3778, 5148, 8114
Wagner, H. W. 6419
Wagner, K. G. 6180
Wagner, M. 3166
Wagner, R. 3445, 4857
Wagner, S. A. 2268
Wagner, W. L. 9181
Wah, S. T. 722
Wahab, S. M. A. 1673
Wahals, M. A. 5773
Wahed, A. A. 5034
Wahi, S. D. 7878
Wahid, P. 6129-6130
Wahid, P. A. 9310
Wahl, J. P. 7016
Waigh, R. D. 547, 563
Wainwright, H. 2276, 4369, 4629
Waisel, Y. 4172
Waithaka, K. 5384, 6036
Wakayama, E. J. 5768
Waksman, N. 5201
Walder, J. M. M. 3933
Wałęza, M. 6588-6589
Walia, P. C. 5845
Walker, C. D. 4145
Walker, E. S. 2216-2217
Walker, G. H. 5658
Walker, J. T. S. 8501
Walker, K. A. 2589
Walker, K. L. 479
Walker, P. N. 3931
Walkey, D. G. A. 4821
Wall, D. A. 5661
Wall, M. E. 1095, 8024, 8066, 8736
Wallace, A. 1528
Wallace, B. J. 3607
Wallace, D. 3866
Wallace, D. J. 8229
Wallace, T. F. 7476
Wallbrunn, H. 6062
Waller, B. J. 5556
Waller, D. P. 9176
Walles, B. 1590
Wallner, S. J. 7917
Wallnöfer, P. R. 8910
Walls, K. M. 988
Wallsgrove, R. M. 4336
Walsh, C. S. 2001, 6492
Walt, J. J. A. van der 6780
Walton, D. C. 5765-5766
Walton, L. R. 6621
Walton, N. J. 7685
Waly, T. M. 6248
Wambebe, C. 2444
Wample, R. L. 2776, 4809
Wan, A. S. C. 2362, 5176-5177
Wan, C. K. 9378
Wan, H. F. 7750
Wan, M. 7337
Wandji, J. 8061
Wang, C. D. 590
Wang, C. Y. 905
Wang, G. H. 1228
Wang, G. J. 2754
Wang, H. 379
Wang, H. L. 2558
Wang, J. 916
Wang, J. K. 1438
Wang, J. W. 4557
Wang, K. H. 6763
Wang, K. J. 1003
Wang, L. Q. 2285
Wang, M. Y. 8705
Wang, N. 2429
Wang, N. L. 598
Wang, P. 3450
Wang, P. L. 9390

Wang, P. Q. 2285
Wang, Q. 1003
Wang, R. 3044, 3810, 5159, 6909
Wang, R. J. 8397
Wang, S. L. 545
Wang, S. Y. 767, 769, 1943, 2637, 5463
Wang, T. L. 6679
Wang, W. C. 4603, 6205
Wang, W. H. 7466
Wang, W. Z. 6052
Wang, X. F. 6869
Wang, X. R. 604-605, 1163-1164
Wang, X. W. 604-605
Wang, X. Y. 1181, 1776
Wang, Y. 8744
Wang, Y. H. 6079
Wang, Y. T. 438, 445, 2249, 2261, 6053, 6826, 7867
Wang, Z. Q. 604-605, 1163-1164
Wang, Z. W. 9150
Wang, Z. Y. 7592
Wangoo, D. 3737
Wani, M. C. 1095, 8024, 8066, 8736
Wani, M. S. 8592
Wannamaker, M. J. 4113
Wanner, G. 3069
Wannes, G. 3492
Wannigama, G. P. 8095
Wanyoko, J. K. 6354, 9401-9402
Waples, J. R. 8633
Warburton, J. 3545
Ward, J. A. 3754
Ward, R. S. 9189
Wardani 6127
Wardlow, L. R. 380
Warhurst, D. C. 5227
Waring, J. M. 1159
Warman, P. R. 137
Warmund, M. R. 1051, 2642, 5439, 6518
Warnaar, F. 638
Warneke, J. E. 242
Warner, J. 5425
Warren Wilson, J. 2216-2217
Warren Wilson, P. M. 2216-2217
Warrington, I. 7911
Warrington, I. J. 6782, 9027
Warrington, P. 9050
Warsito, T. 8255
Washington, W. S. 1360, 8604
Wass, R. 8389
Wassel, G. 2339, 6165
Wassel, G. M. 6171
Wassenaar, L. M. 4056, 7359
Wasserman, B. P. 1423
Wasserman, R. H. 4522
Wat, C. K. 1688
Watanabe, A. 4886, 5824, 8345
Watanabe, K. 2344, 2351, 4174, 7997
Watanabe, T. 8431
Watanabe, Y. 2451, 4096
Waterer, D. R. 7720
Waterman, P. G. 433, 1104, 1748, 1778, 3775, 5232, 6189, 6208, 6971, 7969, 7974, 8115, 8231, 9137
Waters, E. R. 2862
Waters, R. M. 4466
Waters, W. E. 2943
Watkins, C. B. 811
Watson, A. 3290
Watson, B. J. 7059, 7139, 8210, 8365, 8368
Watson, C. D. 6927
Watson, D. G. 9137
Watson, G. W. 4415
Watson, J. P. 5389
Watson, M. A. 7725
Wattal, P. N. 8177
Wattimena, G. A. 8315
Wawer, M. 5385
Wax, C. L. 1333
Wazir, F. K. 1207, 7319
Ważyńska, M. 6588
Wearing, C. H. 4740, 8501
Weaver, K. M. 3660
Weaver, M. L. 7644-7645
Webb, M. 1624
Webb, W. A. C. 714
Webber, A. N. 2804
Weber, H. E. 6517
Weber, J. A. 1049
Weber, J. F. 1154
Webster, A. 4160
Webster, H. L. 2243-2244
Webster, P. L. 944
Weed, S. B. 1468
Weel, P. A. van 5619
Weel, P. van 2599
Weeratunga, G. 3752
Wees, D. 4138
Weges, R. 4867-4868
Węgorek, T. 8571
Wehner, D. J. 3585, 8991
Wehner, F. C. 2477
Wehner, T. C. 7442
Wehtje, G. 5945
Wehtje, G. R. 6071, 9030
Wei, J. M. 6600
Wei, X. K. 2519
Weibel, F. P. 7230
Weichmann, J. 6630
Weiden, G. J. M. v. d. 7870
Weidner, M. 4840
Weigel, H. J. 4913, 7748
Weigel, P. 3368
Weigle, J. L. 399
Weiler, E. W. 25
Weinbaum, S. A. 49, 858, 1353, 2492, 4027
Weinberg, H. 6781
Weinstein, L. H. 4876
Weinstein, V. 5129, 7968
Weinz, S. 3751
Weires, R. W. 764
Weis, E. 3419
Weisburg, L. A. 7898
Weiser, R. L. 7917
Weisleder, D. 9057
Weiss, D. 6847
Weiss, M. 6617
Weissenberg, M. 4522
Weitzman, P. D. J. 349, 1544
Welander, M. 7226
Welander, N. T. 6050-6051
Welbaum, G. E. 4195
Welch, N. C. 3379
Welch, R. M. 4145, 5878
Welgemoed, C. 9345
Welihinda, J. 2399-2400
Wellburn, A. R. 2872
Welleman, J. C. C. 8943
Weller, S. C. 177, 5885
Welles, G. W. H. 8667
Wellman, E. 5927
Wells, D. W. 3537
Wells, J. M. 5500
Welterlen, M. S. 3583
Weltzien, H. C. 5598
Welvaert, W. 5935
Wen, J. L. 2544
Wen, M. Z. 1065
Wendisch, D. 1712
Wendler, R. 1235
Wendt, M. 886
Wenkart, S. 8147
Wenner, D. 2588
Wens, A. 2402
Wenzel, G. 3915
Wenzel, W. 2213
Werck-Reichhart, D. 2101
Wergin, W. P. 66
Werken, H. van de 6106, 6842
Werneke, J. M. 4121
Werner, D. 3433
Werner, D. J. 4732
Werry, T. 405
Wertheim, S. J. 59, 73, 1322, 1343, 1932, 5444, 8461-8462
Wertz, M. K. 7847
Weselake, R. J. 207
Wesely, R. W. 2246, 7889
Wessinger, M. E. 1189
West, J. 8878
West, J. E. 3824
West, S. 5438
Westergård, L. 6424
Westerlaken, J. 4697
Westhaus, R. G. 556
Westhuizen, A. J. van der 2213
Weston, L. 2890, 7730
Wetering, D. A. M. van de 2129
Wettasinghe, D. T. 8349
Wettlaufer, S. H. 4876
Wetzstein, H. Y. 2286, 7318
Whealy, C. A. 4418
Wheaton, T. A. 1793, 3127
Whiley, A. W. 2460, 2480, 2482, 2490, 8163
Whipps, J. M. 2918
Whistler, W. A. 6363
White, A. W., Jr. 4008, 4015
White, D. A. 4831
White, J. G. 4152
White, J. G. H. 3679
White, J. J. 4790
White, J. W. 987, 1580, 6782, 6821
White, R. A. 425
White, R. H. 6824
Whitelegge, J. 4265
Whitelegge, J. P. 4264
Whitfield, M. J. C. C. 7203
Whiting, J. R. 7385
Whitmarsh, J. 3226, 4850
Whitney, J. D. 3127, 3147, 9265
Whittaker, A. D. 353
Whittaker, C. A. 8122, 8140, 9226
Whittaker, N. F. 3388
Whitten, W. M. 6832
Whittington, F. F. 5062
Whitwell, J. D. 1411, 1447
Whitwell, T. 3618
Wichtl, M. 603, 1777, 2799, 6969, 8117
Wichtmann, E. M. 2307
Wick, S. M. 6587
Wickens, L. K. 7523
Wickramaratne, M. R. T. 688
Wickremasinghe, K. N. 8354
Wicks, T. 5690
Widell, K. O. 8713
Widholm, J. M. 5359
Widmer, R. E. 417, 5987
Wiebe, H. J. 3383, 4948
Wiech, K. 276
Wieczorrek, G. 8876
Wiemann, F. 2082
Wiemeersch, L. van 2973
Wien, H. C. 2168, 6727
Wiendl, F. M. 3933
Wieniarska, J. 4042, 8605
Wierer, M. 186
Wiermann, R. 4858-4859
Wiertz, R. 951, 4292
Wierzbicka, M. 193
Wijaya, C. H. 9116
Wijchen, G. van 6640
Wijeratne, E. M. K. 4513
Wijesekera, T. P. 1750
Wijk, C. van 6607, 6613
Wijnsma, R. 630
Wijsmuller, J. M. 5558
Wilcke, C. 3261
Wilcox, G. E. 327, 965, 2921, 4888, 5699
Wilcox-Lee, D. 282
Wilcut, J. W. 5945
Wild, A. 5656
Wild, B. L. 3840, 6260
Wilding, S. J. 7623
Wildung, D. K. 4039, 5506
Wilfert, G. T. 3543
Wilke, C. R. 1719
Wilkinson, R. H. 183
Wilkinson, R. I. 6080
Willaert, G. 7497
Willatt, S. T. 294
Willemot, C. 8622
Willems, M. 4500, 6844
Willemse, P. C. M. 4972
Willemse, T. M. 5042
Williams, C. F. 7156
Williams, D. J. 479
Williams, E. A. 1683
Williams, H. J. 9165
Williams, J. M. 829, 1396
Williams, L. E. 852-853, 2778, 4805
Williams, M. L. 6795, 6843, 6849, 6856, 7050
Williams, M. W. 8448
Williams, N. H. 6832
Williams, P. G. 2980
Williams, P. H. 4146
Williams, P. J. 4094, 8659
Williams, R. S. 2875
Williams, W. P. 3418, 7679
Williamson, B. 7351
Willis, K. 8140
Willison, J. H. M. 4755
Willits, D. H. 895
Willmer, C. M. 389
Willms, I. 5659
Willuhn, G. 556
Willumsen, J. 3624
Wilson, B. 4094, 8659
Wilson, C. 7500
Wilson, C. L. 1340
Wilson, C. W., III 2524
Wilson, F. 4160, 5557, 7873
Wilson, G. C. S. 8890
Wilson, G. J. 187
Wilson, H. P. 2128
Wilson, J. M. 2083
Wilson, J. W. 2216-2217
Wilson, P. M. W. 2216-2217
Wilson, P. W. 310, 4936
Wiltbank, W. J. 6243
Wilusz, E. J. 2179
Wimalasena, S. 1750
Wimalasiri, W. R. 2373, 3022, 5144
Wimmers, L. E. 7898, 8825
Windom, G. E. 1368
Wing, R. W. 4765
Wink, M. 2605, 5359
Winkelman, M. 1703
Winkler, H. J. 5887
Winkler, J. 7451
Winkler, T. 8105
Winks, C. W. 674, 8223
Winnaar, W. de 5327, 6319, 9309
Winner, E. 1456
Winner, W. E. 7568
Winston, E. C. 2490
Winter, F. 59
Winter, K. 1620, 2974
Winterhalter, P. 4023, 8590
Winterhoff, H. 8079
Wiriyachitra, P. 1877
Wirth, H. 7228
Wiseman, J. S. 5561
Wislocki, P. G. 4652
Wisniak, J. 7131, 8154
Wisniewski, M. 37
Wiśniowska, J. 4900
Witek-Czupryńska, B. 348
Withey, R. 2817, 3359, 3374
Witt, H. H. 2989, 6854, 6858
Witt, W. 3146
Witte, L. 1158
Wittmershaus, B. P. 5815
Witzan, K. 8962
Wnuk, A. 276
Wodner, M. 9298
Woerdenbag, H. J. 1130
Wojtalewska, E. 5440
Wojtaszek, T. 218-219, 272, 275, 289
Wokocha, R. C. 4321
Wolcsánszky Erzsébet, S. 7397
Woldu, Y. 5189
Wolf, D. 4636
Wolf, D. D. 7262
Wolf, S. 2924
Wolfe, D. 5550
Wolff, P. 571
Wolfson, D. 1784

Wolk, C. van der 6377
Wolk, T. K. 6541
Wolko, B. 8802
Wollenweber, E. 6001, 6783
Wolley, D. J. 2169
Wolniak, S. M. 3563
Wolstenholme, B. N. 2494, 8167
Wolterbeek, H. T. 4972
Woltering, E. J. 476, 5984-5986
Wolters, C. 441
Wolters, P. A. 2232, 6816
Wolynetz, M. S. 1439
Wondergem, P. A. 3708, 4471
Wondimu, A. 5232
Wong, K. M. 5155
Wong, L. S. 8232
Wong, M. H. 4825
Wong, O. C. 7896
Wong, S. C. 2805, 8672
Wong, S. M. 3778
Wong, T. W. 6066
Wong-Leung, Y. L. 6160
Wongseripipatana, S. 3763
Wongveerakhan, A. 6754
Woo, K. C. 2099, 2805
Woo, W. S. 1160, 1731
Wood, B. J. 1223
Wood, B. W. 814, 5516, 6503-6504
Wood, C. 5783, 7661
Wood, J. J. 9011
Wood, R. 2478
Wood, R. A. 5337, 7101
Wood, R. J. 187, 194
Woode, M. K. 8030
Woodrow, L. 1636
Woodson, W. R. 379, 2204, 3507, 7946
Woolhouse, H. W. 7685
Worobiec, S. 1168
Woyke, H. 2870
Woyke, H. W. 7556
Wozniak, H. 8911
Wray, V. 8114
Wren, B. 5366
Wright, C. W. 5227
Wright, M. E. 5079
Wright, R. D. 368, 1591
Wright, R. J. 4209
Wright, S. F. 4209
Wu, C. M. 3408, 3664
Wu, D. G. 9087
Wu, G. S. 2154
Wu, G. Y. 881
Wu, H. H. 9394
Wu, J. L. 711, 1229
Wu, J. T. 2135
Wu, K. K. 8325
Wu, L. 4385
Wu, M. L. 5877
Wu, S. M. 1039, 6084
Wu, T. S. 1199, 3838
Wu, X. Y. 881
Wu, Y. C. 6999
Wu, Y. L. 7700
Wu, Z. 3518
Wu, Z. D. 5682
Wu, Z. G. 2544
Wubben, F. 6702
Wuchner, A. 3464
Wullschleger, S. D. 7029
Wulster, G. J. 410
Wünsche, U. 2639
Wurr, D. C. E. 214, 1437
Wurtele, E. S. 4981, 7806
Wurz, R. E. 3301
Wutscher, H. K. 648, 655
Wyatt, J. E. 6620
Wydoski, S. G. 877
Wyler, H. 3849
Wyllie, S. G. 4564
Wynn, R. M. 4122
Wyrley-Birch, E. A. 1894
Wysoki, M. 8165
Wyssmann, A. M. 665
Xi, X. Y. 1422
Xia, L. 6075-6076
Xia, L. F. 9033
Xia, M. Z. 2867, 6680
Xia, Z. L. 1181, 1776
Xiang, Y. T. 2198
Xiao, R. 7142
Xiao, S. C. 1065
Xiao, S. M. 1065
Xiao, Y. Q. 550
Xiao, Z. Y. 7142
Xie, R. X. 271
Xie, S. 3780
Xie, X. L. 3526
Xie, Y. Q. 4642
Xiong, L. B. 7868
Xiques, X. 3113
Xodo, E. 4955
Xu, D. W. 4274
Xu, H. Q. 980
Xu, H. Y. 402
Xu, J. 5214
Xu, J. H. 8678
Xu, L. 993, 2352, 2422
Xu, S. X. 598
Xu, T. Y. 947, 4437, 8088
Xu, W. B. 2544
Xu, X. K. 3525
Xu, Y. 1147
Xu, Y. B. 7848
Xu, Y. F. 2196
Xu, Y. J. 269
Xu, Y. R. 7098
Xue, H. Z. 2393, 9176
Xun, L. 9144
Yaacob, K. B. 3688
Yaacob, O. 6313
Yablonskii, E. A. 2647, 3993
Yadau, U. K. 460
Yadav, C. P. S. 9039
Yadav, D. N. 1539
Yadav, D. V. 1858
Yadav, G. R. 1475, 1875
Yadav, J. P. 4567, 5296
Yadav, L. P. 2237
Yadav, L. S. 8362
Yadav, R. L. 4592, 6340, 8324, 9075, 9386
Yadav, U. 2266
Yadava, A. 7506
Yadomae, T. 1134-1135
Yadrov, A. A. 745, 2703
Yae, B. W. 4676, 5491
Yaghmai, M. S. 5132, 7977, 8106
Yagi, A. 3046, 3205
Yagi, K. 3934
Yagovtseva, N. D. 2044
Yagudaev, M. R. 1102, 2954, 3759, 3766, 6957, 8075
Yahara, S. 3735
Yahya, S. 8315
Yakhlef, A. 3231
Yakovleva, L. V. 3614
Yakovleva, V. A. 5436
Yakovuk, V. A. 819
Yaltirik, A. 2582
Yamada, H. 2356, 2425
Yamada, T. 1744, 5159
Yamada, Y. 2382, 3770, 5060, 5180, 6989, 8432, 9212
Yamagata, H. 2382
Yamagata, M. 1413
Yamagishi, H. 8724
Yamagishi, T. 411, 2407, 2424, 6980
Yamaguchi, H. 2391
Yamaguchi, I. 25, 7843
Yamaguchi, J. 8864
Yamaguchi, K. 1097
Yamaguchi, M. 2671
Yamaguchi, N. 4845
Yamaguchi, S. 3621
Yamaguchi, T. 5975
Yamahara, J. 1751, 3054
Yamaji, M. 462
Yamakawa, O. 7369
Yamaki, M. 1741
Yamaki, Y. 43
Yamamoto, H. 633, 6395
Yamamoto, H. Y. 455, 6839
Yamamoto, K. 2987
Yamamoto, R. 7697
Yamamoto, S. 3391, 8933
Yamamoto, Y. 2690, 5398
Yamanaka, A. 559
Yamasaki, K. 554, 9138
Yamasaki, M. 5216
Yamasaki, N. 6168
Yamashita, K. 6358
Yamauchi, D. 2864
Yamauchi, T. 2325, 2362, 3045, 3639, 5176-5177
Yamazaki, I. 5655
Yamazaki, M. 574, 3165
Yamdagni, R. 2072, 2555, 4582, 5309, 5315, 5354, 8279, 8653, 9349
Yamgar, V. T. 8861
Yan, J. Q. 897
Yan, K. 595
Yan, M. Q. 6079
Yan, Q. S. 9383
Yan, W. M. 185
Yanagi, K. 7997
Yanagihashi, K. 9272
Yanai, K. 4184
Yanaka, M. 8011
Yanase, Y. 8345
Yanat'ev, V. P. 7591
Yaneva, R. 8600
Yang, A. F. 7666
Yang, C. C. 4329
Yang, C. H. 5692
Yang, C. J. 8793
Yang, C. N. 9048
Yang, C. S. 4498
Yang, F. R. 2544
Yang, H. 511
Yang, H. H. 9396
Yang, H. J. 7260
Yang, J. S. 8303
Yang, L. L. 1697
Yang, M. E. 3740
Yang, P. C. 4593, 9390
Yang, R. Y. 4274
Yang, S. L. 6955
Yang, Y. J. 885, 3386
Yang, Y. Q. 6266
Yang, Z. T. 904
Yang, Z. Y. 6869
Yaniv, Z. 3031, 4816
Yanko, U. 8166
Yankov, L. K. 6149
Yano, E. 1540
Yano, K. 5139
Yano, M. 225
Yao, C. 3531
Yao, T. P. 9390
Yao, W. Y. 4274
Yarborough, D. E. 8608-8609
Yarden, O. 5733
Yaron, A. 8146
Yaroshenko, S. V. 7231
Yaroshevich, I. V. 752
Yarotskaya, L. V. 2751
Yartseva, I. V. 3572
Yashoda Hegde 1823
Yasia, M. S. 8916
Yasinov, R. K. 9121
Yaskonis, Yu. A. 4457
Yastreb, G. V. 7284
Yastremski, R. 779
Yasuda, I. 2374
Yasuda, K. 5210, 7953
Yasuda, M. 3070
Yasuda, T. 6731
Yasufuku, H. 7564, 8734
Yasui, S. 1108
Yatohgo, T. 8933
Yatsenko, T. B. 7880
Yatsuhashi, H. 5054
Yatsyuk, V. Ya. 1707
Yavzury, M. 6781
Yazaki, J. 4100
Yazaki, K. 1063, 6204
Yazlovetskaya, V. A. 2751
Yeager, T. H. 27, 460, 5077
Yeam, D. Y. 5092, 5095, 6044, 6049
Yeang, H. Y. 8322
Yearsley, C. W. 3300, 8228
Yee, M. Lay- 4740
Yeh, M. S. 7615
Yeh, S. D. 2558
Yeh, S. F. 5194, 8071
Yehia, A. H. 7775
Yelenosky, G. 1205, 1652, 3146, 3832, 6255
Yelle, S. 141, 977, 1535, 7809
Yen, B. T. 507
Yen, K. Y. 1697
Yenesew, A. 4525, 6230
Yeoh, C. L. 6895
Yeoman, M. M. 1253, 2886, 5359
Yermanos, D. M. 9228, 9232
Yeshbir Singh 8832
Yeşiloglu, T. 9245
Yeşilsoy, M. Ş. 5271
Yeung, E. C. 2865, 8767, 9022
Yeung, H. W. 2398, 2401, 3034, 3100
Yhan, C. A. 7995
Yiang, L. B. 6761
Yiem, M. S. 3248, 5507
Yim, J. J. 5491
Yim, Y. J. 4676
Yin, G. J. 606
Yin, W. Y. 862
Yin, Y. 534
Ylinen, M. 9123
Yoder, K. S. 5469
Yoganarasimhan, S. N. 3060
Yogaratnam, N. 8316
Yogev, S. 2247
Yogev, T. 1616
Yogi, S. 5205
Yoh, J. 4652
Yokoi, K. 6784
Yokoi, M. 462, 6818
Yokota, H. 3932
Yokota, M. 3763
Yokota, S. 6660
Yokota, T. 3423, 4204
Yokoyama, S. 4147
Yokozawa, T. 1170, 2411, 9198
Yomogida, K. 5133
Yomota, C. 9184
Yonemori, K. 675-676
Yongxin, Z. 6227
Yonjan, B. 2364, 9099, 9104
Yonzon, M. K. 9099
Yonzone, G. S. 9104
Yonzone, R. 2431
Yoo, J. K. 7246
Yoo, K. C. 4838
Yoo, M. S. 6058
Yoo, S. O. 5044-5045
Yoon, P. K. 8320
Yoshida, H. 7821
Yoshida, K. 3735, 4186, 6184, 6933-6934
Yoshida, M. 724, 2671
Yoshida, S. 6656
Yoshida, T. 1063, 1091, 5190
Yoshikawa, F. 1336
Yoshikawa, K. 5351
Yoshikawa, T. 1752, 5305
Yoshimine, S. 1033
Yoshimoto, S. 3717
Yoshimoto, T. 1852, 6326
Yoshimura, H. 2345
Yoshioka, H. 6719, 7921
Yoshioka, K. 1108
Yoshioka, T. 2382
Yoshitama, K. 1896
Yoshizaki, M. 607, 1680, 3109, 9190
Young, E. 4732, 5438, 6452
Young, H. 5098, 5291
Young, J. M. 7210
Young, R. E. 3941
Young, R. S. 5449
Young, W. A. 8535
Youngdahl, L. 5745
Younis, S. A. 6174
Younos, C. 2334
Yousif, A. E. 8706
Youssef, J. 2022
Youtsey, C. O. 4551
Yu, D. H. 844
Yu, D. Q. 8112, 9210
Yu, D. S. K. 8500
Yu, L. L. 8678
Yu, R. C. 4603

Yuan, X. H. 3434
Yuang, R. Z. 7007
Yuasa, H. 7615
Yubel, E. 7455
Yuda, E. 6252
Yudina, V. F. 6206
Yue, J. L. 2544
Yuldashev, A. S. 1700, 6225
Yun, C. Y. 711
Yun-Choi, H. S. 8060
Yunusov, M. S. 3043, 3713-3714, 3749, 6939, 8014-8015, 9147
Yunusov, S. Yu. 2954, 3090, 3095, 3731, 3759, 3766, 6957
Yurchishina, T. V. 1146
Yurgalevitch, C. M. 5905
Yurtsev, V. N. 1768
Yurtseva, N. S. 1768
Yusifov, G. G. 2697
Yusoff, E. 8746
Yusuf, M. 4452
Yusuf, O. 5156
Yusupov, Kh. 3956
Yusupov, M. I. 1106, 3051
Yusupova, I. M. 3772
Yusupova, S. S. 1102
Yuzurihara, M. 5210
Yvin, J. C. 6156
Zabara, Yu. M. 2160
Zabeltitz, C. von 737
Zabicky, J. 7131, 8156
Zabudskaya, I. A. 182
Zacheo, G. 4296
Zackel, E. 5836
Žáčková, P. 5181
Zadorozhnyi, A. M. 3066
Zagatto, E. A. G. 6347
Zaghal, K. Al- 669
Zagorodnaya, N. G. 2668-2669
Zagorodskaya, L. M. 3784
Zaheer Ahmed 3758
Zaher, A. M. 6671
Zahir Shah 628
Zahn, S. 3878
Zahrin, A. 9378
Zaied, A. A. 2430
Zain, Z. M. 708
Zain-ul-Abidin 8206
Zaitsev, Yu. I. 2513
Zaitseva, T. A. 6228
Zajac, J. 7884
Zajíc, J. 24
Zakhariya, Ya. A. 3152
Zakharov, A. M. 9112
Zakharov, V. F. 8062
Zakharova, I. K. 5992
Zakharova, O. I. 9112
Zakharova, T. S. 7581
Zakirov, S. Kh. 1106, 3772
Zakrzhevskiĭ, D. A. 935, 1502
Zalewska, M. 1567
Zalieva, A. Z. 1874
Zalkow, L. H. 9204
Zaltzman, A. 42, 4750
Zama, L. S. 7376
Zaman, K. 6978
Zaman, M. 5844
Zamashchikova, O. L. 6688
Zambolim, L. 7463-7464, 7636
Zambonelli, A. 7289
Zamboni, M. 2077
Zámbori-Németh, É. 3816
Zamir, T. 9128
Zanche, C. De 7132
Zandbelt, A. 7159
Zandbelt, A. J. 7158-7159, 7161
Zandbelt, A. 7161
Zander, M. 2830, 5788
Zandstra, B. H. 7476
Zanini, A. C. 4485
Zankov, Z. 2752
Zankowski, P. M. 6835
Zanzucchi, C. 6862, 6875
Zapata O., M. de J. 4585
Zapesochnaya, G. G. 8026
Zapp, H. R. 3982, 7197-7198, 8443-8444
Zapryanov, A. 8496
Zara, S. J. 3437
Zarane, G. Ya. 6852
Zarga, M. H. A. 1107
Zarzuelo, A. 1076, 6202, 6954
Zatula, I. P. 7341
Zatuliveter, V. I. 4830, 7443
Zatykó, J. 3474
Zatykó, L. 8743
Zauberman, G. 2496, 8166
Zaubin, R. 6125, 6127
Zavgorodniĭ, I. V. 7349
Zav'yalova, L. A. 5614
Zawistowski, J. 207
Zayed, M. A. 7775
Zayed, M. M. 4743, 5089-5091, 7311
Zazueta, F. S. 2966, 4996
Zdero, C. 5162
Zdyb, H. 790
Zeaser, D. 8151
Zeawail, M. F. 5089-5091
Zeevaart, J. A. D. 869
Zeiger, E. 4407, 7118, 7649
Zeigler, G. 5414
Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz 2995
Zekalashvili, A. U. 2727
Zelazny, B. 8261
Zelenov, A. N. 4917
Zelepukhin, I. D. 8647
Zelger, F. 3207
Zelikovich, G. 1469
Zelnik, R. 3741
Zemánek, J. 3789
Zemtsova, G. N. 2317
Zenbayashi, R. 6651
Zeng, F. Y. 8744
Zeng, W. 3743
Zeng, W. G. 1728
Zenk, M. 1733
Zenk, M. H. 552, 1167, 1715, 3069, 3077
Zenkevich, I. G. 6146
Zens, A. 3555
Zentmyer, G. A. 2468
Zerbetto, F. 5603
Zerbi, G. 5781
Zerial, A. 6156
Zerihum, B. 563
Zeroni, M. 4422
Zeryukov, V. M. 2026
Zguigal, Y. 7049
Zhakotė, A. G. 1399
Zhaldak, N. A. 867
Zhamba, A. I. 5281
Zhanaeva, T. A. 1111
Zhang, B. D. 1572
Zhang, D. 4618
Zhang, F. X. 6911
Zhang, H. G. 6355
Zhang, H. J. 1048
Zhang, H. Q. 1132
Zhang, J. 2447, 8083
Zhang, J. S. 4491
Zhang, L. Y. 6802
Zhang, N. X. 3250
Zhang, P. C. 6605
Zhang, P. F. 1003
Zhang, Q. 551, 8088
Zhang, S. Q. 4274
Zhang, S. Y. 544
Zhang, T. Y. 7142, 8103
Zhang, W. 904
Zhang, W. C. 185, 863
Zhang, X. 2422
Zhang, X. H. 2154
Zhang, X. L. 7337
Zhang, X. Q. 9383
Zhang, Y. 551
Zhang, Y. X. 8468
Zhang, Z. J. 6870
Zhang, Z. L. 897
Zhao, H. B. et al. 3354
Zhao, J. T. 7592
Zhao, Q. X. 7098
Zhao, X. Q. 8319
Zhaparbaev, T. A. 1923-1924
Zharkova, I. V. 2727
Zhau, H. 1065
Zhelyuk, V. M. 7667
Zheng, G. C. 544
Zheng, G. Z. 545
Zheng, M. J. 4642
Zheng, Q. 3743
Zheng, S. K. 7031
Zhiznevskaya, G. Ya. 6682
Zhong, G. 7117
Zhong, S. T. 4295
Zhong, X. B. 881
Zhou, J. 2197, 6921, 9087, 9160
Zhou, J. Y. 6761
Zhou, Q. B. 3628
Zhou, X. 269
Zhou, X. L. 4642
Zhou, X. M. 4562
Zhou, Y. L. 9168
Zhou, Z. L. 8035
Zhu, N. 5217
Zhu, Y. 595, 8397
Zhu, Y. L. 1132
Zhu, Y. M. 1018
Zhu, Y. Y. 4274
Zhu, Z. Q. 2938, 9087
Zhuk, O. Ya. 2824
Zhukova, P. S. 2160
Zhukovich, E. N. 1182
Zhukovskaya, L. N. 776
Zhuravel', A. M. 4016
Zhuravel', T. T. 4923
Zhuravlev, N. A. 3761
Zhvinene, N. A. 4457
Ziegel, P. 7694
Ziegler, E. 2319
Ziegler, H. 6828
Zielinski, R. E. 4121
Ziesenhenne, R. 6800
Zieslin, N. 1046, 2247
Zíka, J. 1958
Zilber, A. 8836
Zilberstein, A. 2848
Zilkah, S. 2492, 5498, 8164
Zimmer, K. 416, 485, 1052, 1609, 2222, 3555, 3575, 4347
Zimmerman, D. C. 2809
Zimmerman, J. K. 6841
Zimmerman, R. H. 3952
Zimmermann, U. 1620, 8494
Zimna, D. 2314
Zinchenko, T. V. 3811
Zinina, V. F. 999
Ziong Thi Hiong Zang 3461
Zipfel, W. 4925
Ziv, M. 375, 1616
Živanović, P. 5127
Ziyaev, R. 3090
Zizzo, G. 1599
Žlebčík, J. 3633
Zlenko, V. A. 5577
Zoglauer, K. 1254
Zoglowek, C. 7680
Zohar, Y. 4318
Zohary, D. 4130
Zokhrabyan, N. R. 1398, 2777, 2780
Zollo, P. H. A. 7967
Zolotarev, B. M. 3320
Zongmao, C. 9405
Zora Singh 4734, 5356, 6311, 8171, 8537, 8544
Zorilla, R. A. 3472
Zornoza, P. 2887-2888, 5903
Zou, F. L. 3524
Zou, Y. X. 560
Zoz, N. N. 926
Zozikova, E. I. 8648
Zozmann, G. 2830
Zrebiec, V. 6776
Zschau, K. 231, 2830
Zuanazzi, J. A. 4492
Zubkova, G. P. 4049-4050
Zucchelli, G. 6602
Zucconi, F. 1991, 7122
Zullo, M. A. T. 4596
Zülsdorf, K. H. 5391
Zuñel, C. 5582
Zuo, C. X. 807
Żurawicz, E. 1371
Zurgil, S. 5298, 9308
Zutra, D. 8561
Žvinienė, N. 4457
Zvirgzd, A. V. 458
Zwaving, J. H. 2387
Zweep, F. v. d. 223, 6635, 7528
Zwerger P. 7125
Zwierzykowski, M. 4843
Zyat'kov, L. L. 4432
Zyl, J. L. van 1382
Zyl, L. van 6780
Żylińska, K. 3427

# SUBJECT INDEX


***Abelia grandiflora,*** nutrition, nitrogen 2283
***Abelmoschus esculentus*** (*see* Okras)
***Abies spectabilis,*** plant, composition 9108
***Abrus precatorius***
  leaves, composition 2339
  plant, composition 5151
  seeds, composition 6168, 8011-8012
***Acacia,*** plant, composition 6149
***Acacia albida,*** plant, composition 6149
***Acacia auriculiformis,*** plant, composition 9100
***Acacia catechu,*** plant, composition 3122
***Acacia cornigera,*** nectar 3620
***Acacia farnesiana,*** flowers, composition 4450
***Acacia nilotica,*** plant, composition 9100
***Acacia seyal,*** plant, composition 6149
***Acacia sphaerecephala,*** nectar 3620
***Acaena microphylla,*** as ground cover plants, assessment 7823
***Acanthacris ruficornis,*** aubergines 7733
***Acanthopanax senticosus*** (*see Eleutherococcus senticosus)*
**Acari**
  *Capsicum* 7140
  *Citrus* 8196
  grapes 7432, 8196, 8640
  greenhouse crops 7188
  horticultural crops, conferences 8379
  ornamental plants 7458, 8947
  pawpaws 7140
  strawberries 7140
  temperate fruits 7211
  vegetables 7458
**Acaricidal properties,** *Neorautanenia mitis* 1687
**Acaricides**
  benzoximate, pest resistance, apples 7246
  binapacryl, injuries, pawpaws 4589
  bromopropylate, pest resistance, apples 7246
  chlorobenzilate, pest resistance, apples 7246
  cyhexatin
    injuries, pawpaws 4589
    pest resistance
      apples 7246
      fruit crops 6419
  dicofol
    pest resistance
      apples 7246
      fruit crops 6419
  omethoate, residues, oranges 2520
  propargite, pest resistance, apples 7246
  sulphur, residues, limes 2521
***Acaulospora,*** mycorrhizas, *Solanum quitoense* 6279
***Acca sellowiana*** (*see* Feijoas)
***Acer***
  cuttings
    rooting, physiology 4426
    sources, etiolation 1032
  landscaping, urban sites 6065-6066
  pruning, systems, assessment 2269
***Acer cappadocicum,*** planting stock, production, soilless culture 7919
***Acer ginnala***
  growth regulators, growth promoters, composition 4426
  seeds, treatment 6101
***Acer griseum,*** cuttings, treatment 4426
***Acer monspessulanum,*** leaves, physiology 5073
***Acer negundo***
  leaves, physiology 5073
  pruning, responses 1034
  seeds, composition 1048
***Acer palmatum***
  cultural methods, interior decoration 1641
  cuttings, sources, juvenility 459
  leaves, anatomy 1641
***Acer palmatum*** *cont.*
  planting stock, overwintering 2282
  reports, German Federal Republic 3216
***Acer platanoides,*** pruning, responses 1034
***Acer pseudoplatanus,*** diseases, *Nectria cinnabarina* 1631
***Acer rubrum***
  cuttings, development, photoperiodism 4427
  shade, measurement 461
***Acer saccharinum***
  cuttings, treatment 4426
  leaves, physiology 5073
  planting stock, production, soilless culture 7919
  pruning, responses 1034
  soilless culture, nutrient solutions, composition 7919
***Acer saccharum,*** pruning, responses 1034
***Acer tataricum***
  breeding, selection 7912
  seeds, dormancy, biochemistry 1642
***Aceras,*** wild plants, surveys, Italy 3603
***Aceria guerreronis,*** coconuts 9338
***Aceria sheldoni,*** *Citrus* 9261
***Aceria tulipae,*** garlic 4832
**Acetaldehyde**
  metabolism
    packing, persimmons 3160
    ripening, melons 3404
    soil aeration, apples 84
    storage, apples 84
**Acetylenes**
  characterization, *Atractylodes macrocephala* 2347
  composition, *Artemisia afra* 5111
***Achillea***
  cultivars, characteristics, USA 1005
  cut flowers, production, cultural methods 1004
  flowers, development, photoperiodism 6784
***Achillea distans,*** plant, composition 2306
***Achillea erba-rotta,*** research 6898
***Achillea filipendulina,*** plant, morphology 1005
***Achillea fragrantissima,*** plant, composition 1705
***Achillea grandifolia,*** plant, morphology 1005
***Achillea lanulosa,*** plant, composition 4469
***Achillea millefolium***
  cut flowers, production, cultural methods 1004
  nutrition 2331
  plant
    composition 8004
    morphology 1005
  wild plants, utilization, USSR 6158
***Achillea ptarmica***
  cut flowers, production, protected cultivation 1583
  plant
    composition 1706
    morphology 1005
***Achillea santolina***
  plant, composition 3039
  plant extracts, application, tomatoes 3698
***Achillea tomentosa,*** plant, morphology 1005
***Achillea wilhelmsii,*** plant, composition 8013
***Achimenes grandiflora,*** cultural methods, pot plants 3574
***Achnatherum calamagrostis,*** landscaping, assessment 2200
***Achras zapota*** (*see* Sapodillas)
***Achyranthes aspera,*** plant, composition 530
***Acianthus,*** taxonomy, nomenclature 6057
***Acoelorraphe wrightii,*** seeds, germination, temperature 6099
***Aconitum,*** taxonomy, chemotaxonomy 739
***Aconitum barbatum,*** plant, composition 8015
***Aconitum carmichaelii***
  tissue culture
    propagation
      anthers 6169
      micropropagation 8016
***Aconitum heterophyllum***
  rhizomes, composition 1704
  seedlings, development, physiology 4358
***Aconitum karakolicum,*** plant, composition 3713
***Aconitum koreanum,*** plant, composition 3043, 8014
***Aconitum leucostomum,*** plant, composition 3714, 6905
***Aconitum nagarum,*** roots, composition 537
***Aconitum napellus***
  plant, composition 1096, 3033
  roots, composition 8017
***Aconitum paniculatum,*** plant, composition 536
***Aconitum rotundifolium,*** plant, composition 8014
***Aconitum septentrionale***
  plant, composition 3714
  roots, composition 9109
***Aconitum subcuneatum,*** roots, composition 1097
***Aconitum sungpanese,*** roots, composition 3044
***Aconitum variegatum,*** tubers, composition 536
***Acorus calamus***
  mycorrhizas 6170
  plant, composition 3668
  rhizomes, composition 510
***Acremonium breve,*** control, of *Botrytis cinerea,* apples 7273
***Acremonium loliae,*** lawns and turf 4382
***Acromyrmex octospinosus, Citrus*** 7030
***Acrosternum pallidoconspersum,*** *Macadamia* 1813
***Actinidia*** (*see also* Kiwifruits)
***Actinidia arguta***
  characteristics 9409
  seeds
    germination, tests 7336
    treatment 7336
  tissue culture, propagation, techniques 125
***Actinidia chinensis*** **var.** ***chinensis***
  flowers
    biology 6513
    development, histology 7338
  pollination, research 6513
***Actinidia kolomikta***
  seeds
    germination, tests 7336
    treatment 7336
***Actinidia polygama***
  seeds
    germination, tests 7336
    treatment 7336
***Actinostemma lobatum,*** plant, composition 3045
**Activated carbon**
  utilization
    tissue culture
      apples 1938
      cucumbers 7588
      *Zingiber officinale* 6134
    weed control, tomatoes 1532
***Aculops lycopersici,*** greenhouse crops 7458
***Acyrthosiphon pisum,*** peas 276
***Adansonia digitata,*** shoots, composition 533
***Adelphocoris lineolatus,*** kiwifruits 3299
***Adenanthera pavonina,*** seedlings, development, morphology 501
***Adenophora stricta,*** roots, composition 9110

**Adenosine phosphates**
metabolism
biochemistry
*Catharanthus roseus* 5174
*Kalanchoe daigremontiana* 7904
lettuces 5674
radishes 3390
spinach 870, 3365, 4852
*Vicia faba* 3429
flowering, *Pharbitis nil* 998
germination, *Phaseolus vulgaris* 3409
growth regulators, *Pelargonium zonale* 8960
phosphorus, spinach 3365
photosynthesis
*Kalanchoe* 1619
peas 4256
spinach 1426
physiology, *Phaseolus vulgaris* 1490, 4231
salinity, *Capsicum* 7723
***Adhatoda vasica***
leaves, abscission, pollution 9111
plant, composition 6906
pollution, heavy metals 9111
seeds, germination 4428
***Adiantum,*** spores, germination 3587
***Adiantum capillus-veneris***
leaves, physiology 5054
tissue culture, propagation, techniques 3593
***Adiantum raddianum,*** cultural methods, pot plants 5055
***Adonis aestivalis,*** plant, anatomy 1707
***Adonis annua,*** plant, anatomy 1707
***Aechmea,*** diseases, *Erwinia chrysanthemi* 6772
***Aechmea fasciata,*** tissue culture, propagation, meristems 1616
***Aegle marmelos***
air layering 5357
characteristics 9409
fruits, development, biochemistry 4601
leaves, composition 3122
roots, composition 538
***Aegorhinus supercillosus, Vaccinium corymbosum*** 3307
***Aerangis ellisii***
pollination
pollinators
*Agrius convolvuli* 6063
*Panogena lingens* 6063
***Aerides multiflorum,*** seeds, germination, tests 5064
***Aerva lanata,*** plant, composition 6171
***Aeschynanthus radicans,*** plant, development, temperature 2970
***Aesculus hippocastanum***
nectar 3620
plant residues, utilization, culture media 2262
seeds, composition 539
***Aesculus indica,*** seeds, composition 540, 1081, 6899, 8018
***Aesculus pavia,*** seeds, composition 5082
**Afghanistan,** medicinal plants, surveys 2334
**Africa**
horticultural crops
conferences 5374
cultural methods, books 6367
**Agaonidae,** pollinators, figs 7293
***Agapanthus africanus,*** cut flowers, production, protected cultivation 6005
***Agaricus*** (*see also* Mushrooms)
***Agaricus bitorquis***
diseases, *Verticillium fungicola* 2182
mycelium, growth 3521
***Agaricus campestris***
composition 4994
cultivars, assessment, China 2181
cultural methods, China 3518
***Agaricus macrosporoides,*** cultural methods, Hungary 4342
***Agastache rugosa,*** leaves, composition 9112
***Agave deserti***
photosynthesis, CAM pathway 2248
water relations, physiology 1026
***Agave fourcroydes***
nutrition, nitrogen 2321
***Agave fourcroydes*** *cont.*
photosynthesis, research 2320
***Agave lechuguilla***
photosynthesis
research 2320
seasonal variation 1682
***Agave tequilana,*** photosynthesis, research 2320
***Agave vilmoriniana***
protected cultivation, carbon dioxide 8668
water relations, physiology 7191
***Agave virginica,*** photosynthesis, CAM pathway 2248
***Ageratum conyzoides***
leaves, composition 3669
plant, composition 1708, 7995
***Ageratum houstonianum,*** roots, composition 394
***Aglaia meliosmoides,*** plant, composition 5156
***Aglaia odoratissima,*** roots, composition 541
***Aglaia pirifera,*** leaves, composition 9113
***Aglaia roxburghiana,*** plant, composition 542, 3715, 9103
***Aglaonema,*** cultivars, characteristics, USA 7893
***Aglaonema commutatum,*** soilless culture, systems, hydroponics 2969
***Aglaonema crispum,*** pollen, germination, age 5056
**Agriculture**
bibliographies, Bulgaria 1879
new journals, India 6365
research, books 5366
***Agrimonia pilosa,*** plant, composition 2340
***Agrius convolvuli,*** pollinators, *Aerangis ellisii* 6063
***Agrobacterium radiobacter***
control
of *Agrobacterium tumefaciens*
fruit crops 6417-6418
roses 6418
inoculation, apples 1951
***Agrobacterium rhizogenes***
inoculation
*Datura stramonium* 2378, 3748
*Duboisia myoporoides* 2382
*Hyoscyamus niger* 3748
*Panax pseudoginseng* 1752
***Agrobacterium tumefaciens***
apples 3248, 6442
chrysanthemums 6772
fruit crops 6417-6418
grapes 3214, 8641, 8643
peaches 1989, 7299
roses 6418, 6772
tomatoes 7774
***Agrocybe,*** composition 1094
***Agropyron repens*** (*see Elymus repens*)
***Agrostis***
competition, lawns and turf 424
cultivars, assessment, USSR 7881
fungicides, tolerance 2243
nutrition
nitrogen 424
phosphorus 424
weed control 2243
***Agrostis palustris*** (*see Agrostis stolonifera*)
***Agrostis stolonifera***
cultural methods, golf courses 6042
herbicides, injuries 6042, 7887
roots, development, assessment 425
weed control 7887
***Agrostistachys hookeri,*** plant, composition 9114
***Agrostophyllum khasiyanum,*** plant, composition 6837
***Agrotis***
Brussels sprouts 8671
melons 7140
ornamental plants 17
watermelons 7140
***Agrotis ipsilon***
tomatoes 7778
vegetables 6580
***Agrotis segetum,*** greenhouse crops 7181
***Ailanthus altissima***
breeding, selection 7912
***Ailanthus altissima*** *cont.*
flowers, fragrance, biochemistry 5074
plant, composition 2341
roots, composition 2284
tissue culture, biochemistry 6907
***Ailanthus excelsa,*** plant, composition 1696
**Air layering**
sources, etiolation, *Aegle marmelos* 5357
treatment
growth regulators
*Aegle marmelos* 5357
apples 5442
grapes 6543
pecans 6502
temperate fruits 1327
ringing, pecans 6502
**Air pollution** (*see* Pollution)
***Ajuga remota,*** plant, composition 3716
***Ajuga reptans***
as ground cover plants, cultural methods 6004
insecticides, translocation 8800
nectaries 8800
***Akaropeltopsis,*** avocados 2477
***Alangium lamarckii***
plant, composition 2342
seeds, composition 8019
**Albania**
tomatoes, cultivars 2897, 4304
walnuts, cultivars 4025
***Albizia lebbek,*** tissue culture, propagation, micropropagation 6172
***Albugo candida,*** radishes 6637
***Alcea rosea,*** cultural methods, Romania 3030
***Alchornea cordata,*** as weeds, oil palms 5325
**Alcohols**
biosynthesis, *Rosa damascena* 5134
characterization, *Nardostachys chinensis* 3094
composition
apples 3980
*Artemisia alba* 1064
*Asparagus* 3466
aubergines 5865
*Carica pubescens* 4606
cashews 3873
*Citrus halimii* 4544
*Croton laccifer* 2373
*Cucurbita maxima* 4192
*Cydonia sinensis* 4024
*Elsholtzia polystachya* 5115
*Garcinia huillensis* 3083
*Hedychium spicatum* 1138
*Heteromorpha trifoliata* 3768
*Ilex* 2392
kiwifruits 3301
*Kochia scoparia* 6962
*Lagenaria breviflora* 589
mandarins 3848
nectarines 8558
*Ophiopogon intermedius* 5208
*Origanum dictamnus* 3783
*Otanthus maritimus* 5209
*Platanthera stricta* 1628
*Santolina* 7987
*Sideritis scardica* 3689
*Tuber melanosporum* 4344
*Ziziphora taurica* 7990
metabolism
packing, persimmons 3160
physiology
*Hibiscus rosa-sinensis* 1652
persimmons 4561
ripening
bananas 4568
melons 3404
seasonal variation, *Mentha piperita* 3680-3681
soil aeration, apples 84
storage, apples 81-82, 84
tissue culture
essential oil plants 6868
plants 6868
production, techniques, *Cucurbita foetidissima* 7614
responses
aubergines 4943
cashews 6290

**Alcohols** *cont.*
responses *cont.*
persimmons 675, 3863
tomatoes 7792
vegetables 2842
**Aldehydes**
composition
*Asparagus* 3466
cashews 3873
*Cucurbita maxima* 4192
*Cydonia sinensis* 4024
*Lavandula stoechas* 3678
nectarines 8558
*Platanthera stricta* 1628
*Rhus typhina* 1660
*Vanilla planifolia* 9065
*Warburgia* 6239
metabolism
physiology, cucumbers 8757
ripening, guavas 9350
***Aleurites*** (*see also* Tung)
***Aleurites moluccana,*** plant, composition 6908
***Aleurocanthus woglumi,*** *Citrus* 9263
***Aleurothrixus floccosus,*** oranges 1797
***Alexa leiopetala,*** plant, composition 6173
**Aleyrodidae**
ornamental plants 3629
vegetables 308
**Algae**
as weeds, foliage plants 3586
composition 8057
control, greenhouses 3586
***Alisma plantago-aquatica,*** rhizomes, composition 5159, 6909
**Alkaloids**
biosynthesis
*Ailanthus altissima* 6907
Amaryllidaceae 6936
*Berberis koetineana* 552
*Catharanthus roseus* 3064, 4482
*Cissampelos pareira* 1117
*Colchicum autumnale* 6934
*Dioscorea hispida* 575
*Erythroxylum coca* 3755
*Gloriosa* 2386
*Iphigenia* 2386
*Lilium candidum* 6812
*Lonicera tatarica* 3092
*Papaver somniferum* 600
tea 6357
characterization
*Aconitum* 3714
*Aconitum barbatum* 8015
*Aconitum karakolicum* 3713
*Aconitum koreanum* 3043
*Aconitum septentrionale* 9109
*Aconitum subcuneatum* 1097
*Aconitum sungpanese* 3044
*Aglaia pirifera* 9113
*Alangium lamarckii* 2342
*Alstonia constricta* 1099
*Anopterus glandulosa* 8024
*Aristolochia gigantea* 8025
*Buxus papillosa* 2355, 6923, 9128
*Buxus sempervirens* 3640, 8033
*Catharanthus roseus* 561
*Cocculus hirsutus* 2367
*Corydalis bungeana* 1728, 3743
*Delphinium confusum* 3749
*Delphinium staphisagria* 1730
*Delphinium ternatum* 6939
*Duguetia spixiana* 8056
*Erythrina crista-galli* 7943
*Fagara macrophylla* 8066
*Fritillaria* 3759
*Fumaria indica* 6949-6950
*Gelsemium elegans* 3763
*Gelsemium sempervirens* 582
*Gloriosa superba* 9157
*Haplophyllum perforatum* 3766, 6957
*Kopsia deverrei* 9168
*Lindenia austro-caledonica* 3773
*Lycopodium obscurum* 2395
*Lycoris guangxiensis* 1147
*Maytenus loeseneri* 3774
*Mollinedia costaricensis* 9175
*Narcissus* 3572
*Nitraria sibirica* 3095
*Oxandra xylopioides* 8083
**Alkaloids** *cont.*
characterization *cont.*
*Picrasma javanica* 3101
*Picrasma quassioides* 1760, 2415
*Piper longum* 6975
*Quassia amara* 613
*Rauvolfia semperflorens* 3795
*Rauvolfia serpentina* 614
*Rhazya stricta* 615, 6978
*Ruta chalepensis* 4520
*Schumanniophyton magnificum* 620-621
*Schumanniophyton problematicum* 621
*Selaginella doederleinii* 1770
*Senecio vulgaris* 8107
*Sinomenium acutum* 2437
*Solanum capsicastrum* 1661, 5228
*Solanum laciniatum* 3808
*Spiraea japonica* 8112, 9210
*Stephania hernandifolia* 4532
*Stephania rotunda* 8113
*Strychnos gossweileri* 3812
*Strychnos staudtii* 4524
*Strychnos usambarensis* 6990
*Synclisia scabrida* 2444
*Teclea simplicifolia* 5232
*Tetradium glabrifolium* 8115
*Thalictrum cultratum* 1176
*Thalictrum sessile* 6999
*Tripterygium regelii* 3821
*Tripterygium wilfordii* 1776, 2448
*Vepris* 3119
*Ziziphus* 1876
*Ziziphus rugosa* 7003
*Ziziphus sativa* 722
composition
*Aconitum* 536, 8014
*Aconitum napellus* 1096, 8017
*Alexa leiopetala* 6173
*Alseodaphne hainanensis* 6911
*Angelica acutiloba* 8023
antibacterial plants 6163
*Ardisia solanacea* 6176
*Areca catechu* 3702
*Arnebia hispidissima* 6165
*Artemisia campestris* 6914
*Atropa belladonna* 8029
aubergines 315
*Berberis pseudambalata* 553
*Buxus papillosa* 9127
*Buxus sempervirens* 3731, 9129
*Cadaba farinosa* 8049
*Calendula* 5153
*Calliandra portoricensis* 5168
*Catha edulis* 1718, 5173
*Catharanthus roseus* 3702, 9134-9135
*Cephaelis ipecacuanha* 3702
*Chamomilla* 5153
*Cinchona officinalis* 3702
*Citrus nobilis* 1199
*Clausena anisata* 5178
*Cleistopholis patens* 8045
*Clerodendrum laevifolium* 5156
*Codonopsis clematidea* 1725
coffee 7076
*Colchicum autumnale* 6184
*Colchicum cornigerum* 8047
*Colchicum ritchii* 1085
*Coptis japonica* 2370
*Cordia myxa* 6165
*Cordia sinensis* 6165
*Corydalis hendersonii* 567
*Corydalis ramosa* 568
*Corydalis remota* 9141
*Corydalis yanhusuo* 3742
*Crateva religiosa* 8049
*Crotalaria incana* 3746
*Datura stramonium* 3702
*Dehaasia kurzii* 6189
*Delphinium ternatum* 9147
*Dysoxylum lenticellare* 6942
*Echium angustifolium* 6165
*Eupatorium rotundifolium* 9153
*Funtumia africana* 1736
*Glaucium flavum* 5195
*Gloriosa carsonii* 2328
*Glycyrrhiza* 5153
*Grewia bicolor* 2387
*Guatteria schomburgkiana* 4495
**Alkaloids** *cont.*
composition *cont.*
*Haplophyllum tuberculatum* 1739
*Heliotropium curassavicum* 5197
*Heliotropium ellipticum* 2389
*Heliotropium hirsutissimum* 1139
*Hexalobus monopetalus* 9162
*Holarrhena pubescens* 1736, 5198
*Hydrastis canadensis* 3702
*Hypericum* 5153
*Ilex* 2392
*Ilex paraguariensis* 1742
*Iphigenia magnifica* 2328
*Kopsia deverrei* 9169
*Lilium martagon* 2954
*Liriodendron tulipifera* 3090
medicinal plants 8004, 9101-9102
*Murraya koenigii* 5178
*Murraya paniculata* 6208
*Narcissus juncifolius* 2231
*Nelumbo nucifera* 1153
*Papaver bracteatum* 1753
*Papaver pseudo-orientale* 9183
*Papaver somniferum* 9184
*Paramichelia baillonii* 8091
*Paullinia cupana* 9186
pawpaws 6316
*Petchia ceylanica* 8095
*Phalaenopsis* 6836
*Phellodendron amurense* 2370
*Piper nigrum* 6865
plants, reviews 1092, 2605
*Prosopis glandulosa* 609
*Psychotria rostrata* 5156
pummelos 3838
*Rauvolfia serpentina* 3796
*Rhazya stricta* 9196
*Schismus barbatus* 6165
*Schumanniophyton magnificum* 2432
*Senecio anonymus* 9204
*Senecio grisebachii* 623, 5224
*Senecio nemorensis* 2434
Solanaceae 5153
*Solanum* 2439, 5147
*Solanum panduraeforme* 625
*Solanum spirale* 626
*Sophora flavescens* 6229
*Stemmadenia grandiflora* 6988
*Stephania cepharantha* 2441
*Strychnos camptoneura* 628
*Strychnos johnsonii* 629
*Strychnos trinervis* 2442
tea 721
*Teclea nobilis* 4525, 6230
*Tetradium ruticarpum* 9214
*Thalictrum collinum* 3114
*Thalictrum cultratum* 632
*Thalictrum glandulosissimum* 2447
*Thalictrum minus* 5234
*Trichodesma ehrenbergii* 6165
*Trigonella foenum-graecum* 3820
*Tylophora* 3118
*Uncaria callophylla* 5156
*Uncaria longiflora* 5156
*Unonopsis spectabilis* 9219
*Valeriana* 5153
*Vinca herbacea* 2450
*Vinca major* 1182
*Voacanga africana* 2452
*Withania coagulans* 3822
*Ziziphus spina-christi* 723
determination
*Catharanthus roseus* 3065
*Ephedra* 4491
*Ephedra equisetina* 3029
*Fumaria* 3760
*Fumaria capreolata* 8069
*Fumaria parviflora* 8069
*Papaver somniferum* 5212
*Piper nigrum* 3660
Solanaceae 7141
extraction
*Aconitum leucostomum* 6905
*Ammodendron conollyi* 3047
*Catharanthus roseus* 6927
metabolism
biochemistry
*Catharanthus roseus* 1722, 6179
*Coptis japonica* 5180
calcium, medicinal plants 1690

**Alkaloids** *cont.*
metabolism *cont.*
environment, tea 3204
growth regulators
medicinal plants 9099
*Rauvolfia serpentina* 4518
light, *Catharanthus roseus* 1719
mutagens, *Eclipta alba* 8059
nitrogen, tea 3196
nutrition
*Antirrhinum* 7834
*Catharanthus roseus* 3061
medicinal plants 9099
photoperiodism, medicinal plants 9099
ripening, coffee 694
seasonal variation
*Datura* 9145
*Haplophyllum acutifolium* 4496
*Papaver bracteatum* 3788
*Rauvolfia tetraphylla* 6222
temperature
medicinal plants 9099
*Thalictrum minus* 633
tissue culture
*Berberis* 3069
*Catharanthus roseus* 3736
*Colchicum autumnale* 6184
*Coptis japonica* 3069
*Corydalis* 566
*Eschscholzia californica* 3077
*Holarrhena floribunda* 3769
*Ochrosia elliptica* 1154
plants 6166
*Rauvolfia serpentina* 3105, 5219
*Ruta graveolens* 6981
*Senecio vulgaris* 8108
*Thalictrum* 3115
*Thalictrum minus* 633
production
cultural methods
*Atropa belladonna* 531
*Catharanthus roseus* 531
*Cephaelis ipecacuanha* 2364
*Cinchona* 2364
*Datura fastuosa* 5183
*Datura stramonium* 5183, 5186
*Glaucium flavum* 531
*Papaver* 3787
*Papaver bracteatum* 599
*Papaver somniferum* 2412
*Solanum laciniatum* 531
techniques, *Papaver* 5211
tissue culture
*Anisodus acutangulus* 545
*Atropa belladonna* 9123
*Catharanthus roseus* 559, 1719, 1721, 1723, 2359, 3062-3063, 6928-6929, 8040
*Cephaelis ipecacuanha* 8042
*Cinchona ledgeriana* 1116, 3067, 6931
*Colchicum autumnale* 6933-6934
*Corydalis cava* 2371
*Datura stramonium* 2378, 3748
*Duboisia myoporoides* 2382
*Hyoscyamus niger* 3748, 3770
*Peganum harmala* 1158
plants, reviews 3067
*Rauvolfia serpentina* 6220, 8099, 9195
*Ruta graveolens* 5220
*Solanum laciniatum* 624
*Stephania cepharantha* 6989, 9212
*Tabernaemontana* 630
*Thalictrum minus* 6997, 8116
*Thalictrum rugosum* 6998
taxonomy
*Aconitum nagarum* 537
*Zanthoxylum* 1778
toxicity, *Tylophora* 3118
translocation
*Catharanthus roseus*, reviews 3062
*Gloriosa* 2386
*Iphigenia* 2386

**Alkanes**
composition
*Asparagus* 3466
*Citrus halimii* 4544

**Alkanes** *cont.*
composition *cont.*
*Clutia abyssinica* 563
*Ilex* 2392
*Kochia scoparia* 6962
metabolism, physiology, oranges 4545
***Alkanna tuberculata***
plant
composition 532
morphology 532

**Allelopathy**
carnations 5408
cucumbers 253-254, 1468
grapes 6549
*Jacaratia spinosa* 7112
lawns and turf 2242
*Tagetes patula* 1688
***Allemanda neriifolia,*** shoots, composition 3639
***Allemanda schottii,*** plant, composition 9115

**Allergens**
composition
*Euphorbia* 3757
*Fatshedera lizei* 469
*Hedera helix* 469
ornamental bulbs 2948
*Parthenium hysterophorus* 1757
*Primula* 6002
*Rhus verniciflua* 493
*Tupidanthus calyptratus* 469
***Allium*** (*see also* Garlic; Leeks; Onions; Shallots; Welsh onions)
chromosomes 4837
cultivars, assessment, Czechoslovakia 2221
ecology, USSR 5016
ornamental value 5016
photoperiodism 5646
plant
composition 39
development, temperature 5646
species, assessment, Korea Republic 4837
wild plants, conservation, USSR 5016
***Allium caeruleum,*** ecology, USSR 5016
***Allium carinatum,*** tissue culture, propagation, callus 8985
***Allium chinense,*** bulbs, composition 2343
***Allium delicatulum,*** ecology, USSR 5016
***Allium grayi***
planting, seasons 4838
planting stock, size 4838
***Allium inderiense,*** ecology, USSR 5016
***Allium obliquum***
flowers, biology 4119
ornamental value 4119
***Allium regelianum,*** ecology, USSR 5016
***Allium rosenbachianum,*** wild plants, edible species 5615
***Allium savranicum,*** ecology, USSR 5016
***Allium stipitatum,*** fruits, composition 6910, 8020
***Allium suvorovii***
fruits, composition 6910, 8020
plant, composition 2338
***Allium tuberosum***
chromosomes 4837
ecology, USSR 5016
flowers, initiation, photoperiodism 5646
photoperiodism 5646
plant, development, temperature 5646
***Allium victorialis,*** leaves, flavour, biochemistry 9116
***Allium vineale,*** bulbs, composition 2322

**Almonds**
as rootstocks, peaches 2673
budding, budwood, storage 4665
chilling requirement 7216
cultivars
assessment
India 8452
USSR 1916
characteristics
Bulgaria 8446
Hungary 1917
Spain 5421
flowering 1919, 3944, 4668
flowering date 3943, 7216
nutritional value 3945
rootstock scion relationships 4664

**Almonds** *cont.*
cultivars *cont.*
winter hardiness 8446
diseases, *Monilinia laxa* 6422
flowers
composition 1273
development
cultivars 4668
temperature 7216
morphology 1919
thinning, responses 3944
frost, responses 48
fruits
development, histology 746-747
drop, pollination 3231
set, pollination 3231
irrigation, responses 48, 5422
leaves, composition 1273
nutrition
nitrogen 49, 4666
phosphorus 4666
potassium 4666
nuts, composition 1268, 3945
pests
*Amyelois transitella* 3233, 7214, 8453
*Anarsia lineatella* 8454
mammals 8450
*Monosteira unicostata* 7215
*Quadraspidiotus perniciosus* 8454
pollen
germination, growth regulators 3234
tubes, development 3234
pollination
compatibility 3943
pollinators, Apoidea 3231
production
Chile 7204
USSR 5381
products, oils 3946, 7214
reports, Berlin 2585
rootstock scion relationships
growth 4664
yields 3232
rootstocks
characteristics 1915
soil types 3232
seeds
biochemistry, growth regulators 4667
composition 1273, 2611, 3946, 8452
soil types 745
water relations, seasonal variation 5422
winter hardiness, assessment 1918
yields, correlation 50

**Almonds × peaches**
as rootstocks, plums 8574
mycorrhizas 1994
tissue culture, propagation, micropropagation 8382
winter hardiness, assessment 1918

**Almonds × plums,** winter hardiness, assessment 1918
***Alnus,*** species, characteristics 480
***Alnus firma,*** salinity, tolerance 9029
***Alnus glutinosa***
cuttings 4429
pollution, industrial wastes 4414
pruning, systems, assessment 2269
utilization, shelterbelts 100
***Aloe***
leaves, composition 1098
tissue culture, taxonomy 2253
***Aloe arborescens,*** leaves, composition 3046
***Aloe barbadensis,*** plant, composition 6827
***Aloe nyeriensis,*** taxonomy, chemotaxonomy 433
***Aloe vera*** (*see Aloe barbadensis*)
***Alomia fastigiata,*** plant, composition 7995
***Alpinia caerulea,*** cultural methods, Australia 5069
***Alpinia formosana,*** rhizomes, composition 3717
***Alpinia galanga***
rhizomes, composition 9117
seeds, composition 8021
***Alpinia japonica,*** rhizomes, composition 2344
***Alpinia officinarum,*** rhizomes, composition 2374

***Alseodaphne hainanensis,*** plant, composition 6911
***Alstonia constricta,*** plant, composition 1099
***Alstroemeria***
cultivars
chromosomes 6035
cut flowers 6036
cut flowers, production, protected cultivation 4378, 7877
reports, German Federal Republic 14
research, Chile 2581
rhizomes, production, protected cultivation 7877
soil temperature, control, equipment 35
***Alstroemeria aurantiaca,*** flowers, colour, biochemistry 6818
***Alstroemeria ligtu,*** hybrids, chromosomes 6035
***Alstroemeria ligtu* × *Alstroemeria haemantha,*** flowers, colour, biochemistry 6818
***Alstroemeria versicolor,*** flowers, colour, biochemistry 6818
***Alstroemeria violacea,*** flowers, colour, biochemistry 6818
***Alternanthera brasiliana,*** plant extracts, application, *Phaseolus vulgaris* 7996
***Alternanthera ficoidea,*** plant extracts, application, *Phaseolus vulgaris* 7996
***Alternaria***
*Capsicum* 8847
*Citrus* 9259
control, of *Cuscuta gronovii, Vaccinium* 8610
dates 8209
grapes 1388
mandarins 3148
*Phaseolus vulgaris* 1489
***Alternaria alternata***
apples 6443
*Callistephus chinensis* 6007
*Canna indica* 4370
*Capsicum* 3482
*Dahlia pinnata* 4370
peas 1504
persimmons 5289
*Pogostemon cablin* 1679
roses 1638
strawberries 4056, 7359
tomatoes 4330
***Alternaria brassicae***
*Brassica nigra* 1057
Brussels sprouts 4159
Chinese cabbages 6631
***Alternaria brassicicola***
*Brassica* 5689
*Brassica nigra* 1057
cabbages 4152, 5700
Chinese cabbages 6631
***Alternaria citri,*** oranges 8188
***Alternaria erumpens,*** *Dahlia pinnata* 4370
***Alternaria kikuchiana,*** *Pyrus pyrifolia* 44
***Alternaria panax,*** *Schefflera* 3588
***Alternaria porri,*** onions 1414, 3362, 4114-4115, 7478, 7491
***Alternaria radicina,*** carrots 4977, 5921, 8930
***Alternaria raphani,*** radishes 5700
***Alternaria solani,*** tomatoes 317, 2894, 4322, 6397, 6739, 7775, 8874
***Alternaria zinniae***
*Tagetes erecta* 1592
*Zinnia elegans* 4370
***Althaea officinalis,*** plant, composition 8004
***Althaea rosea*** *(see Alcea rosea)*
**Altitude**
responses
apples 5447, 6458
*Cephaelis ipecacuanha* 2364
*Cinchona* 2364
grapes 2749, 4801
tea 719, 721, 3204, 3901, 6348
**Aluminium**
absorption
passion fruits 674
*Phaseolus vulgaris* 7625
tomatoes 7625
composition, *Bupleurum falcatum* 2353
**Aluminium** *cont.*
metabolism
nutrition, *Peperomia obtusifolia* 3600
seasonal variation, *Menyanthes trifoliata* 6206
soil amendments
peaches 4008
pecans 4015
nutrition
*Rhododendron* 5547
*Vaccinium* 5547
requirements, analysis, okras 3470
toxicity
grapes 7413
*Macadamia* 4556
pawpaws 1842
*Phaseolus vulgaris* 266, 4209
plants, reviews 8419
plums 4753
translocation, tomatoes 4972
**Aluminium foil**
utilization
mulches
carrots 2934
tomatoes 324-325
***Amanoa oblongifolia,*** leaves, composition 5160
***Amaranthus***
as weeds
grapes 4078
strawberries 4775
vegetables 176
chromosomes 7848
cultivars, assessment, Nigeria 7815
plant, composition 6891
***Amaranthus blitoides,*** as weeds, peas 7665
***Amaranthus caudatus***
chromosomes 7848
seeds, germination, plant extracts 4440
storage, physiology 4167
tissue culture, propagation, techniques 5017
***Amaranthus cruentus,*** chromosomes 7848
***Amaranthus dubius***
chromosomes 7848
leaves, composition 6764
***Amaranthus hypochondriacus,*** tissue culture, propagation, techniques 5017
***Amaranthus retroflexus***
as weeds
carrots 4333
cucumbers 5719
*Gladiolus* 1600
onions 1412
peas 7665
tomatoes 3490
tissue culture, propagation, techniques 5017
***Amaranthus tricolor***
leaves, composition 361, 1268
tissue culture, propagation, techniques 5017
***Amaranthus tristis***
leaves, composition 3181
nutrition, nitrogen 2937, 7816
***Amaranthus viridis***
as weeds, onions 2092
tissue culture, propagation, techniques 5017
***Amaryllis belladonna,*** roots, cytology 3427
***Amblyseius cucumeris,*** control, of Thripidae, vegetables 308
***Ambrosia artemisiifolia***
as weeds
cucumbers 5719
tomatoes 5883
plant, composition 1100
***Ambrosia confertiflora,*** leaves, composition 9084
***Amelanchier alnifolia***
fruits, composition 3297
herbicides, residues 5527
leaves, composition 6509
***Amelanchier lamarckii,*** diseases, *Nectria cinnabarina* 1631
**Amides**
biosynthesis, *Capsicum* 2886
characterization
*Achillea wilhelmsii* 8013
carnations 4352
**Amides** *cont.*
characterization *cont.*
*Clausena lansium* 3740
composition
*Achillea ptarmica* 1706
*Piper sarmentosum* 1161
*Tetradium ruticarpum* 9215
metabolism
biochemistry, tea 3902
nutrition, *Capsicum* 7719
physiology, peas 8810
potassium, tea 9403
storage, *Capsicum* 4942
production, tissue culture, *Capsicum* 2886
**Amines**
characterization, *Crinum asiaticum* 6936
composition, *Catha edulis* 8039
**Amino acids**
absorption
sugarcane 1235
tomatoes 7767
biosynthesis
*Agaricus campestris* 4994
plants, reviews 6411
spinach 8707
watermelons 4190
characterization, *Vicia faba* 3430
composition
almonds 3945
*Baccaurea sapida* 4604, 6361
*Borreria stricta* 555
Brazil nuts 4605
cherries 92
*Flacourtia jangomas* 4604, 6361
*Flammulina velutipes* 1554
fungi 1555
*Gevuina avellana* 820
*Gloriosa superba* 5043
*Ilex* 2392
medicinal plants 8004
*Mucuna* 9178
*Mucuna pruriens* 9178
mushrooms 1554
oilseed plants 9221
onions 2794
peas 7698
*Phaseolus vulgaris* 8785
*Pleurotus ostreatus* 8936
shallots 2794
*Telfairia occidentalis* 258
*Terfezia claveryi* 5939
*Thymus* 3662
*Tirmania* 5939
vegetables 2086
woody plants 5074
exudation
coconuts 6300
tomatoes 5464
metabolism
age, ornamental plants 7839
anaerobiosis, tea 3201
biochemistry
grapes 2080
*Papaver somniferum* 600
peas 2146
spinach 2099
diurnal variation, tomatoes 5916
drought
avocados 2488
cocoa 9329
fruiting, pecans 6504
fungicides
onions 4117, 7480
tomatoes 344
germination
*Euphorbia lathyris* 1783
peaches 4730
peas 7663
*Phaseolus vulgaris* 8768
*Psophocarpus tetragonolobus* 1516
growth, cucumbers 897
growth regulators
apples 6454
aubergines 4971
*Capsicum* 2150
*Pharbitis nil* 996
tomatoes 4971

**Amino acids** *cont.*
metabolism *cont.*
nematicides
aubergines 4971
tomatoes 4971
nitrogen
cabbages 3376
mandarins 8177
peas 5803
nutrition
*Antirrhinum* 7834
grapes 4797
pome fruits 2628
tomatoes 2910-2911
photoperiodism, lettuces 2104
physiology
grapes 8660
*Narcissus juncifolius* 2231
okras 8845
ornamental plants 7839
peas 8810
*Phaseolus vulgaris* 2864
pineapples 707
*Simmondsia chinensis* 3121
potassium, tea 9403
ripening
guavas 5311
*Litchi* 9280
peaches 8555
rooting, pineapples 2560
salinity
Chinese cabbages 2832
peas 5803
tomatoes 969
seasonal variation
cabbages 8734
*Opuntia ficus-indica* 677
senescence, peaches 8555
soil water, cabbages 3376
storage
cherries 92
*Litchi* 9280
mandarins 3149
mushrooms 6767
vegetables 4167
stresses, ornamental plants 7839
temperature, grapes 2777
tissue culture, Chinese cabbages 2832
water relations
mandarins 8177
tomatoes 7782
X radiation, cabbages 3376
responses
grapes 3335
tomatoes 5877
translocation
broccoli 238
*Pittosporum tobira* 1658
***Amitus hesperidum,*** control, of *Aleurocanthus woglumi, Citrus* 9263
***Ammi majus,*** seeds, sowing, sowing date 4477
***Ammi visnaga,*** fruits, composition 1101
***Ammodendron conollyi,*** plant, composition 3047
**Ammonia**
metabolism, drought, avocados 2488
toxicity
*Syzygium cumini* 3224
tamarinds 3224
**Ammonium**
absorption, *Aranda* 5065
toxicity
chrysanthemums 6778
grapes 4801
vegetables 4827
***Ammothamnus lehmannii,*** roots, composition 1102
***Amomum cardamomum*** *(see Elettaria cardamomum)*
***Amoora rohituka,*** plant, composition 543, 3718
***Amorbia cuneana,*** avocados 2484
***Amorpha fruticosa,*** growing media, composition 1898
***Ampelopsis aconitifolia,*** taxonomy, keys 5083
***Ampelopsis bodinieri,*** taxonomy, keys 5083
***Ampelopsis brevipedunculata,*** taxonomy, keys 5083
***Ampelopsis cordata,*** taxonomy, keys 5083
***Ampelopsis vitifolia,*** taxonomy, keys 5083
***Amphorophora agathonica,*** raspberries 4039, 7347
***Amphorophora idaei,*** raspberries 7351
***Amrasca biguttula***
aubergines 6714, 8862
okras 4935, 6701, 8843-8844
***Amritodus atkinsoni,*** mangoes 700, 7084
***Amsonia tabernaemontana***
irrigation, responses 3720
nutrition 3720
seeds, germination 3719
***Amyelois transitella,*** almonds 3233, 7214, 8453
***Amyris lineata,*** plant, composition 1709
***Anacamptis pyramidalis,*** seeds, germination, culture media 3609
***Anacardium*** *(see also* Cashews)
**Anaerobiosis**
*Iris* 2952
*Pleurotus sajor-caju* 8937
***Anagallis arvensis,*** plant, composition 1584, 3048, 5143, 8022
***Ananas*** *(see also* Pineapples)
***Anarsia lineatella***
almonds 8454
peaches 8550
***Anastrepha fraterculus,*** mangoes 4585
***Anastrepha suspensa***
fruit crops 8422
grapefruits 7026
**Andreninae,** pollinators, apples 7261
***Andrographis paniculata,*** roots, composition 3721
***Andromeda polifolia,*** plant, composition 1643
***Anemone***
diseases, fungi 4366
species, identification 3564
taxonomy, chemotaxonomy 739
***Anemone blanda***
cultural methods, USA 3564
plant, development, temperature 2222
***Anemone coronaria***
corms, production, cultural methods 1594-1595
cultural methods
pot plants 1012
USA 3564
cut flowers, production, protected cultivation 404
planting, seasons 1594
***Anemone hupehensis,*** cultural methods, USA 3564
***Anemone lesseri,*** cultural methods, USA 3564
***Anemone multifida,*** cultural methods, USA 3564
***Anemone nemorosa,*** cultural methods, USA 3564
***Anemone sylvestris,*** cultural methods, USA 3564
***Anemone vitifolia,*** cultural methods, USA 3564
***Anethum graveolens***
cultivars
assessment, USSR 2786
characteristics, USSR 2787
growth 7950
latitude 2293
fruits, composition 7968
harvesting, harvesting date, assessment 7966
irrigation, responses 7966
leaves, composition 5628
nutrition
nitrogen 2294-2298
phosphorus 2294-2295, 2297-2298
potassium 2297-2298
processing, quality, assessment 2936
seeds
composition 3013
sowing
sowing date 2294-2295, 7966
spacing 2294-2296
***Anethum sowa,*** seeds, composition 3670
***Angelica acutiloba***
plant, composition 1710
***Angelica acutiloba*** *cont.*
propagation, techniques 8023
roots, composition 3722, 8023
***Angelica archangelica***
fruits, composition 3049
research, Italy 6897
seeds, composition 4466
***Angelica keiskei,*** leaves, composition 8431
***Angelica pubescens,*** plant, composition 511
***Angelica shkiokiana,*** roots, composition 3050
***Angelica sinensis***
roots, composition 1710
tissue culture, embryogenesis 544
***Angelica uchiyamana,*** roots, composition 1710
***Angiopteris evecta,*** photosynthesis, biochemistry 3538
***Anicetus beneficus,*** control, of *Ceroplastes rubens, Citrus* 654
***Anisodus acutangulus,*** tissue culture, metabolites, production 545
***Anisum vulgare*** *(see Pimpinella anisum)*
***Annona*** *(see also* Atemoyas; Cherimoyas)
cultural methods
Australia 3164
Italy 2587
intercropping, pawpaws 680
irrigation, systems 680
production, Australia 7139
propagation, techniques, reviews 678
***Annona densicoma,*** plant, composition 546
***Annona diversifolia,*** characteristics 9409
***Annona glabra,*** soil temperature, responses 679
***Annona reticulata***
cultural methods, Australia 3164
plant, composition 6282, 8231
***Annona squamosa***
cultural methods, Australia 3164
fruits
composition 1217
ripening, physiology 8232
pollution, research 7149
soil temperature, responses 679
tissue culture, propagation, techniques 3922
**Annual reports** *(see* Reports)
***Anogeissus leiocarpus,*** plant, composition 6163
***Anopterus glandulosa,*** plant, composition 8024
***Anopterus macleayanus,*** cultural methods, Australia 5069
***Anredera cordifolia,*** plant, composition 9118
**Anthelmintics**
sources
Cucurbitaceae 1080
*Embelia ribes* 6194
*Ficus glabrata* 1735
*Solanum spirale* 626
***Anthemis cotula,*** flowers, composition 3039
***Anthocephalus cadamba,*** flowers, composition 530
**Anthocyanins**
biosynthesis
*Callistephus* 5019
*Columnea* 6103
*Sinapis alba* 7961
*Sinningia cardinalis* 4379
characterization
*Camellia* 462
hyacinths 462
*Rhoeo spathacea* 1615
*Zebrina pendula* 1615
composition
*Alstroemeria* 6818
*Amelanchier alnifolia* 3297
*Anthurium amnicola* 395
*Berberis orientalis* 4028
*Berberis vulgaris* 4028
black currants 2708
*Callicarpa bodinieri* 5169
*Callicarpa dichotoma* 5169
*Centaurea cyanus* 5020
cherries 92, 2655
*Crataegus pentagyna* 4028
grapes 4096
*Ilex* 2392
*Osmunda asiatica* 4400

**Anthocyanins** *cont.*
composition *cont.*
*Ribes bibersteinii* 4028
*Rubus caucasicus* 4028
*Salvia* 403
*Sanguisorba minor* 618
tulips 6815, 8984
*Vaccinium* 3309
*Vaccinium corymbosum* 4045
*Vaccinium uliginosum* 3310
metabolism
arsenic, avocados 3123
calcium, avocados 3123
defoliation, apples 5460
growth regulators
apples 3262, 8470
grapes 4813
plums 8584-8585
nutrition, plums 8585
physiology
grapes 7436
poinsettias 6847
ripening
blackberries 821
boysenberries 131
cherries 6479
*Litchi* 3154
peaches 7309
strawberries 8623
seasonal variation, grapes 3345
senescence, roses 5081
tissue culture, *Kalanchoe blossfeldiana* 7903
taxonomy
bananas 9307
*Vaccinium* 2715
*Vitis* 4788
***Anthoxanthum odoratum,*** utilization, lawns and turf 418
***Anthreptes malacensis,*** pollinators, *Etlingera elatior* 1669
***Anthriscus cerefolium,*** cultivars, characteristics, USSR 2787
***Anthurium***
cultivars, characteristics, USA 7893
leaves, morphology 427
soilless culture, growing media 8943
***Anthurium amnicola,*** inflorescences, colour, biochemistry 395
***Anthurium andreanum***
cultivars, identification 1006
shoots
development
growth regulators 6006
pruning 6006
***Anthurium scandens,*** plant, morphology 2968
***Anthurium scherzerianum***
cultural methods
interior decoration 4388
pot plants 5051
tissue culture, propagation, techniques 3555-3556
**Antibacterial plants**
surveys
Guatemala 2333
Hong Kong 6160
Somalia 2335
Sudan 6163
**Antibacterial properties**
*Aegle marmelos* 538
*Aesculus indica* 6899
*Allemanda schottii* 9115
*Annona reticulata* 6282
*Anogeissus leiocarpus* 6163
apricots 9097
*Ardisia solanacea* 6176
*Artemisia caerulescens* 3712
*Artemisia dracunculus* 8027
*Artemisia herba-alba* 3672
*Auricularia polytricha* 364
*Azadirachta indica* 6152
*Brosimopsis oblongifolia* 3055
*Butea monosperma* 6922
*Calamintha sylvatica* 3712
*Calotropis procera* 5170
*Cassia tora* 6152
*Centaurea floccosa* 1113
*Centaurea khotchii* 6900
*Clerodendrum cyrtophillum* 9097
*Cratoxylum ligustrinum* 6160

**Antibacterial properties** *cont.*
*Crescentia cujete* 3706
*Crocosmia crocosmiiflora* 1608
*Cymbopogon citratus* 3675
*Cymopolia barbata* 1122
*Cystoseira spinosa* 6187
*Dalbergia candenatensis* 1123
*Desmodium triquetrum* 6160
*Dracaena loureiri* 8055
*Embelia ribes* 6194
*Erythrina* 6902
*Erythrina crista-galli* 3754
*Erythrina sigmoidea* 9152
essential oil plants 6901
*Eucalyptus* 6945
*Euodia glauca* 6947
Euphorbiaceae 5192
*Garcinia huillensis* 3083
garlic 5634
*Genista patula* 1702
*Ginkgo biloba* 2385
*Glochidion eriocarpum* 6160
*Grewia bicolor* 2387
*Helinus integrifolius* 585
*Heliotropium ellipticum* 2389
*Heracleum* 4455
*Heracleum sphondylium* 2390
*Hibiscus syriacus* 6899
*Hypericum* 6200
*Hypericum japonicum* 1741
*Hypericum perforatum* 586
*Hyptis pectinata* 1142
*Kochia scoparia* 6962
*Lantana camara* 3706
*Laurencia pinnatifida* 2394
*Lawsonia inermis* 3706
limes 3706
*Lomatium dissectum* 9171
mangoes 9220
medicinal plants 3709, 4471
*Michelia champaca* 6152
*Momordica charantia* 3706
*Myristica fragrans* 3657
*Ocimum* 515
onions 5634
*Ononis pubescens* 3712
*Ophiopogon* 3097
pears 807
*Perilla frutescens* 9097
plants 6902
*Plectranthus macrocalyx* 1163
*Poa huecu* 1165
*Pongamia pinnata* 6152
*Prosopis glandulosa* 609
*Prunus bokhariensis* 6899
*Psychotria rubra* 6160
*Pulsatilla alpina* 3793
pummelos 3838
*Rhazya stricta* 9196
*Rheum officinale* 2425
*Salvia miltiorrhiza* 9199
*Sarcodon leucopus* 1171
*Scabiosa atropurpurea* 3802
*Scutellaria polyodon* 1702
shallots 5634
Solanaceae 9105
*Spartium junceum* 1702
*Spondias mombin* 3706
*Strychnos camptoneura* 628
*Strychnos trinervis* 2442
*Synclisia scabrida* 2444
*Syzygium aromaticum* 515
*Syzygium cumini* 6364
*Tetradenia riparia* 2446
*Thymus carnosus* 1178
*Vaccinium* 2718-2719
*Vangueria venosa* 6163
*Vernonia adoensis* 6163
*Viburnum cylindricum* 6152
*Vicia truncatula* 1702
*Wrightia tomentosa* 6152
*Ziziphus spina-christi* 723
*Zoegea leptaurea* 6900
**Antibiotics** (*see also* Bactericides)
chloramphenicol
responses
*Lagenaria siceraria* 4277
okras 4277
*Phaseolus vulgaris* 5763
cycloheximide, responses, *Phaseolus vulgaris* 5763

**Antibiotics** *cont.*
oxytetracycline
persistence, *Syzygium aromaticum* 1671
translocation, *Syzygium aromaticum* 1671
sources
*Baccharis coridifolia* 9125
garlic 3355
streptomycin
responses
grapes 4813
*Lagenaria siceraria* 4277
okras 4277
tetracycline
persistence, *Syzygium aromaticum* 1671
responses, *Phaseolus vulgaris* 5763
translocation, *Syzygium aromaticum* 1671
**Antifeedants**
sources
*Artemisia capillaris* 5139
*Azadirachta indica* 2323
*Camellia japonica* 2987
*Canella winterana* 5171
*Euodia glauca* 6947
*Ginkgo biloba* 7999
*Helenium amarum* 1082
*Helianthus maximiliani* 8000
*Melia volkensii* 9091
*Salvia* 3700
Solanaceae 9105
*Virola calophylla* 4468
**Antifungal plants,** surveys, Guatemala 2333
**Antifungal properties**
*Aegle marmelos* 538
*Aesculus indica* 6899
*Ageratum conyzoides* 1708
*Alpinia galanga* 8021
*Anagallis arvensis* 5143
*Antirrhinum* 6900
*Artemisia caerulescens* 3712
*Artemisia variabilis* 1714
*Bauhinia manca* 6919
*Bellis perennis* 5143
*Buddleja asiatica* 5154
*Butea monosperma* 6922
*Calamintha sylvatica* 3712
*Canella winterana* 5171
*Capillipedium foetidum* 5154
*Carapa procera* 3706
*Centaurea floccosa* 1113
*Cleistopholis patens* 8045
*Cnestis ferruginea* 4471
Compositae 1689
*Crocosmia crocosmiiflora* 1608
*Croton laccifer* 2373
*Curcuma longa* 4465
*Dalbergia candenatensis* 1123
*Daphne odora* 3023
*Dolichos kilimandscharicus* 6893
*Erythrina* 6902
*Erythrina berteroana* 3024
essential oil plants 7970
*Eucalyptus citriodora* 9083
Euphorbiaceae 5192
*Garcinia huillensis* 3083
garlic 4107, 4465
*Helichrysum nitens* 6150
*Helinus integrifolius* 585
*Heliotropium ellipticum* 2389
*Heracleum* 4455
*Heracleum sphondylium* 2390
*Heteromorpha trifoliata* 3768
*Hibiscus syriacus* 6899
*Hymenaea courbaril* 3706
*Hypericum revolutum* 1686
*Lecythis* 3706
*Leucas aspera* 4465
*Lithospermum erythrorhizon* 6204
*Lomatium dissectum* 9171
medicinal plants 3709, 4471
*Melia azedarach* 9083
*Myrtus communis* 5154
*Ocimum* 515
okras 1519
*Parthenium hysterophorus* 9083
*Phormium* 1159
plants 6902

**Antifungal properties** *cont.*
*Prunus bokhariensis* 6899
*Pulsatilla alpina* 3793
*Ranunculus glutinis* 6219
*Reynoutria sachalinensis* 9093
*Rhazya stricta* 9196
*Rosmarinus officinalis* 6144
*Salvia miltiorrhiza* 9199
*Salvia officinalis* 6144
*Solanum* 5147
*Stemonoporus canaliculatus* 4467
stone fruits 1340
*Strychnos camptoneura* 628
*Syzygium aromaticum* 515
*Tagetes erecta* 5154
*Tetradenia riparia* 2446
*Thuja orientalis* 9083
*Trillium grandiflorum* 6235
*Vaccinium* 2718-2719
*Voacanga africana* 4471
*Warburgia* 6239
**Antioxidants**
characterization, *Origanum vulgare* 3685
composition
*Osbeckia chinensis* 3785, 5244, 6212
peas 5829
*Synadenium grantii* 639
metabolism
ripening, apples 6462
storage, apples 6462
responses, *Vicia faba* 926
***Antirrhinum***
cultivars, transpiration 373
cut flowers
production
cultural methods 3536
protected cultivation 393
nutrition, nitrogen 7834
plant, composition 6900, 7834
seedlings, production, protected cultivation 987
tissue culture, propagation, meristems 3546
**Antitranspirants**
responses
cocoa 8299
container grown plants 4412
oil palms 8299
**Antiviral properties**
*Aglaia roxburghiana* 542, 3715
algae 6156
*Alternanthera brasiliana* 7996
*Alternanthera ficoidea* 7996
*Amanoa oblongifolia* 5160
*Bellis perennis* 6156
*Bougainvillea spectabilis* 7996
*Canarium* 1093
*Castanospermum australe* 557
*Chaenactis douglasii* 3112
*Cheiranthus cheiri* 6156
*Chenopodium amaranticolor* 7996
*Chenopodium ambrosioides* 7996
*Clausena lansium* 3740
*Cochlospermum angolense* 6183
*Dipterocarpaceae* 1093
*Dryopteris filix-mas* 6156
Euphorbiaceae 5192
*Iresine herbstii* 7996
*Mirabilis jalapa* 3025, 7996
*Pachypodanthium staudtii* 6213
*Phytolacca thirsiflora* 7996
*Polypodium vulgare* 6156
*Skimmia japonica* 3112
*Ulex europaeus* 6156
***Aonidiella aurantii,*** oranges 1797
***Apanteles flavipes,*** control, of *Chilo,* sugarcane 6344
***Aphanomyces, Phaseolus vulgaris*** 7635
***Aphanomyces raphani,*** radishes 6637
***Aphelandra squarrosa,*** cultural methods, pot plants 7937
***Aphelenchoides,*** garlic 7465
***Aphelenchus,*** garlic 7465
**Aphididae**
Brussels sprouts 8671
*Capsicum* 8859
chrysanthemums 7188
*Gerbera* 6779
ornamental plants 8948
**Aphididae** *cont.*
raspberries 7351
vegetables 180
***Aphidoletes aphidimyza,*** control, of *Myzus persicae, Capsicum* 953
***Aphis fabae,*** globe artichokes 8671
***Aphis gossypii***
*Capsicum* 5858
chrysanthemums 380
greenhouse crops 7456
*Lagenaria siceraria* 5740
***Apiosporina morbosa,*** plums 4019
***Apis mellifera***
pollinators
apples 7261
vegetables 2851
***Apium*** (*see also* Celeriac; Celery)
***Aploneura lentisci, Pistacia lentiscus*** 2455
**Apoidea**
pollinators
almonds 3231
apples 5471, 7261
blackberries 3303
cauliflowers 7556
*Lagenaria siceraria* 8761
marrows 6662
pome fruits 3231
*Stanhopea panamensis* 6832
strawberries 1375, 5567
tomatoes 7786
*Vaccinium corymbosum* 7354
**Apple chlorotic leaf spot virus,** peaches 4726
**Apple green crinkle,** apples 3265
**Apples**
acaricides, pest resistance 7246
air layering, treatment 5442
bird repellents, injuries 8451
budding, techniques 8457
buds
development, temperature 72
dormancy
growth regulators 769, 773, 2637, 6436
herbicides 773
physiology 770, 1904
temperature 771
cold
injuries 5446
resistance, physiology 3967-3968
cover crops, responses 758, 2627
cultivars
assessment
Austria 7219
Belgium 53
Hungary 54
India 8455-8456
Italy 6425
Netherlands 1279, 1282, 1926-1927, 4671, 6427
Norway 7218
Philippines 748
Poland 5427
Thailand 1276
USSR 750, 1922, 2618-2619, 2623, 4670
biochemistry 752, 775, 3266, 3980
characteristics
Brazil 2620
Canada 1283
German Democratic Republic 5433
Hungary 753
Italy 3236
Netherlands 1278, 1930
Romania 3948-3949
Switzerland 3235, 4672
USSR 1280-1281, 2621, 5431-5432
chilling requirement 2620
clones 53, 1277-1278, 1927, 6426
diseases 750-751, 1274, 1921-1922, 2613-2616, 3948-3949, 3965, 5424-5426, 7217-7218, 7244, 8491
disorders 2630
drought 3956
flowering 1294, 1925, 1928, 4670, 7259
flowering date 5428-5429
growth 4694
**Apples** *cont.*
cultivars *cont.*
growth regulators 6438
habit 5452
harvesting 5474
harvesting date 3970, 4702
interstocks 7224
irrigation 7220
nectar 1272
nutrition 4684, 7236
pests 51, 1950
photosynthesis 2617
physiology 5473
pollination 1295-1298, 2612, 7260
pollution 6434
processing 8456
propagation 2622, 3952, 5443, 5508, 7226
pruning 5452
rootstock scion relationships 3951, 6466
spacing 5435, 6430
storage 81, 1282, 1964, 4670, 4705-4706, 5479, 6427, 7270
water relations 1924
winter hardiness 1922-1923, 1929, 2619, 2624, 2635, 3950, 3955, 4692, 5430, 5445-5447, 6423, 7257, 8510-8511
yields 52, 2617, 2627, 5423
cultural methods
Czechoslovakia, books 6368
India, books 3912
Indonesia 774
Japan 20
Netherlands 1279
Philippines 748-749
reclaimed land 1944
Venezuela 1920
cuttings
cultural methods 5508
production, techniques 2622
rooting, growing media 1271
sources
cultural methods 1258
etiolation 1256
deblossoming, responses 1957
defoliation, responses 2638, 4694, 5451, 5460, 7258
diseases
*Agrobacterium tumefaciens* 3248, 6417-6418, 6442
*Botryodiplodia theobromae* 3963
*Botrytis cinerea* 7242
*Chondrostereum purpureum* 3964
control
Canada, reviews 1949
Czechoslovakia 1301
Europe 6439
Italy 5465
Switzerland 8482
USA 7209
*Cryptosporiopsis malicorticis* 8483
*Cytospora personata* 8483
*Erwinia amylovora* 8484
Erysiphales 1264
fungi 6443
*Gloeodes pomigena* 8485
*Gloeosporium* 5466, 7244
*Glomerella cingulata* 3976
*Gymnosporangium* 6445
*Helicobasidium mompa* 6446
*Microthyriella rubri* 8485
*Monilinia laxa* 3976
mycoplasmas 3962
*Nectria galligena* 3965, 8483
*Penicillium expansum* 778, 3976
*Phyllosticta pirina* 1952
*Phytophthora cactorum* 7243
*Podosphaera leucotricha* 1290, 4687, 5405, 6444, 8423, 8486-8488, 8491, 9093
*Pseudomonas syringae* pv. *syringae* 5467, 8483
*Rhizopus stolonifer* 3976
*Rosellinia necatrix* 1291
*Sclerotium rolfsii* 8489-8490
*Trichothecium roseum* 3976
*Venturia inaequalis* 1290, 1292, 1301, 1950, 1953, 3249, 4687, 5405, 6444, 6447-6450, 7239,

**Apples** *cont.*
diseases *cont.*
*Venturia inaequalis cont.* 7241, 7244, 8423, 8488, 8491-8494, 8519
disorders
bitter pit 65, 83, 759, 777, 1948, 3246, 3969, 5459, 5479, 6464, 7234, 7271, 8516
breakdown 84, 1302, 3246, 3969, 4710, 5470, 6440-6441, 6463, 7269
brown core 1300
brownheart 6464
chlorosis 3961
core flush 1302, 3969, 3971, 4701, 6460, 7267-7270
cork spot 5462
corking 777
flesh browning 779, 3969, 6441, 7268, 7270
Jonathan spot 6463
lenticel spot 5466
replant disease 1951
scald 2630, 3969, 4708, 4712, 5459, 6462, 7268, 7270, 7274, 8516
water core 777, 5470, 6441, 7240, 7269
dormancy
defoliation 774, 1293
DNOC 1293
herbicides 772, 1293
physiology 5468
pruning 774
temperature 6452
training 774
drought, resistance, cultivars 3956
flowers
abnormalities 1956
development
assessment 2639
cultivars 7259
cyanamide 4695
fruiting 1294
growth regulators 8471
humidity 8512
rootstock scion relationships 4673
temperature 8512
initiation
deblossoming 1957
defoliation 4694
growth regulators 761, 2626, 3246, 5454, 7258
orientation 761
physiology 7258
thinning, techniques 5471
frost
injuries 5445, 7151, 7206
protection
cultural methods 3238
heaters 3239
irrigation 3239, 7229
techniques 8598
whitewash 5448
resistance
assessment 2624, 2634, 8511
bacteria 5416
biochemistry 2635, 7257
cultivars 1923, 1928, 4692, 5430, 5445, 5447, 8510
growth regulators 4692, 6412
physiology 2633, 3253, 8510
rootstock scion relationships 5439
rootstocks 1284
tests 2636, 6423
fruits
abscission, physiology 7262
aroma
growth regulators 2644
storage 2644
biochemistry
cultivars 752
growth regulators 3246, 3262, 8470
nutrition 4685, 7234
soil water 759
colour
biochemistry 4699-4700
cultivars 1277-1278

**Apples** *cont.*
fruits *cont.*
colour *cont.*
growth regulators 2641, 4697, 8513
maturity 6466
nutrition 63
rootstock scion relationships 6466
temperature 7276
thinning 73
composition 22, 765, 1254, 1948, 1965, 2646, 3220, 3977-3980, 4653, 5414, 6433, 6465, 7233, 7272, 8520
cracking, soil water 759
development
biochemistry 3260, 3266, 8514
growth regulators 2642
parthenocarpy 1956
physiology 5470, 7265, 8515
temperature 1959, 6431
drop
growth regulators 3257, 4684, 6456, 8513
physiology 4696
pollination 3231
shade 7262
flavour
environment 1299
growth regulators 4697
packing 85
histology 3261, 4696
maturity, assessment 1961, 3970, 3975, 7269, 8517
mechanical properties
assessment 3267, 3981-3982
growth regulators 2642, 4682
harvesting date 780
mathematical models 7275
nutrition 6463, 7234
storage 81, 778, 780, 3973, 4707, 6460-6461
physiology 1304
quality
age 7266
assessment 43, 3908
climate 1959
cultivars 4670, 5427
environment 5427
growth regulators 3969
nutrition 5459, 7234
packing 1308
storage 7267-7268, 7270
ripening
biochemistry 4699-4700, 8514
growth regulators 1300, 3262, 5478, 8513
physiology 3263, 5472-5473
temperature 6431
russeting, fungicides 2629
set
fungicides 3256
gamma radiation 6455
growth regulators 1942, 2642, 3246, 3256-3257, 5453, 8470
humidity 8512
nutrition 7236
physiology 7265
pollination 3231, 5471
temperature 72, 8512
shape
environment 6458
fungicides 3256
growth regulators 1300, 3256, 6458
size
assessment 1965
cultivars 5427
environment 1299, 5427
growth regulators 1300, 3245-3246, 4697, 6456-6457, 8470
interstocks 7223
nutrition 1948, 3958, 7234
physiology 7264
rootstock scion relationships 6428

**Apples** *cont.*
fruits *cont.*
thinning
growth regulators 2640-2641, 3245, 3258-3259, 4697-4698, 6456-6457
responses 73, 5460, 7258, 7263
fungicides
absorption 6451
application 4690, 5469, 6449-6450, 7238-7239
injuries 5466, 6442
residues 4711
responses 2629, 5469
grading, equipment 2645
grafting, seasons 3951, 5441
growing media, composition 8474
growth regulators
ABA
determination 55, 1252
metabolism 5472
physiology 767
responses 5472
carbaryl, responses 6456
chlormequat, responses 4684, 4686
cytokinins, responses 1942
daminozide, responses 4679, 6437, 6454
ethephon, responses 4712, 6437, 8473
ethylene
biosynthesis 5473
composition 1961, 3970
metabolism 1962, 5472
physiology 2644
flurprimidol
responses 1047
translocation 1047
GA, metabolism 8472
IAA, determination 1252
mefluidide, responses 2642
NAA, responses 6456
NAAM, responses 3259
naphthylacetates, responses 6456
paclobutrazol, responses 767-768, 1942, 5453-5454, 7233
polyamines, metabolism 7265
triazoles, responses 8448
uniconazole
metabolism 6409
translocation 6409
growth retardation
fungicides 6453
growth regulators 1943, 4680-4682, 6409, 6453, 7233
handling, injuries 780, 3982
harvesting
equipment 76, 5420
harvesting date
assessment 74, 1960, 4702, 5474, 7269, 7271, 8516
forecasting 1962
injuries 77
techniques
assessment 3969
mechanical harvesting 75, 77-78, 1303, 1963, 4703
once over harvesting 5474
work studies 3242
herbicides, residues 8426
high density planting, systems 6430, 7227
insecticides
application 7239
persistence 7249
pest resistance 8501
residues 4651, 4691
interstocks 57, 1285, 1935, 5441, 7217, 7223-7224
irregular bearing
growth regulators 1958
nutrition 5460
pruning 7227
thinning 1958, 7263
irrigation
fertilizers, application 5462, 6435, 7237, 8480
responses 1940, 3241, 4678, 6464, 7220, 7231, 7249
systems 1937, 7231

**Apples** *cont.*
- leaves
  - anatomy 8466
  - biochemistry, fungicides 5469
  - composition 61, 64, 1948, 3960, 5456, 6433, 7233
  - cytology 66
  - development, seasonal variation 764
- mulching
  - materials 7230
  - responses 1288, 1947, 5450, 7230
- nutrients
  - requirements
    - analysis 1948, 8476-8477
    - assessment 6280
- nutrition
  - boron 4684-4686, 5462
  - calcium 71, 3977, 5438, 5461-5462, 7234
  - deficiency 8478
  - iron 66, 5463
  - magnesium 7234
  - manganese 4684-4686, 7238
  - nitrogen 61-63, 65, 1946-1947, 1952, 2627-2628, 3958-3959, 4683-4684, 5438, 5457-5460, 6435, 6464, 7234, 7236-7237, 8479-8480
  - phosphorus 62, 65, 1945, 1952, 4684, 5438, 5458-5459, 6464, 7236, 8481
  - potassium 62, 65, 4684, 5438, 5440, 5458, 6464, 7236
  - surveys, Turkey 8475
  - trace elements 7234
  - zinc 3960, 4684-4686, 5464, 7238
- nutritional value 5414
- packing
  - injuries 8444
  - materials 85
  - techniques, reviews 1308
- pesticides, application 3251-3252, 7209
- pests
  - Acari 7245
  - *Argyresthia conjugella* 8497
  - bulbuls 8451
  - *Ceroplastes* 7248
  - *Choristoneura rosaceana* 2632
  - control
    - Bulgaria 8496
    - Canada, reviews 1949
    - Czechoslovakia 1301
    - Europe 6439
    - Switzerland 8482
    - USA 7209
  - *Cydia pomonella* 67, 7239, 7249, 8498-8500, 8504
  - *Eotetranychus pruni* 3250
  - *Epiphyas postvittana* 8501
  - *Eriosoma lanigerum* 67, 1950, 8502
  - *Frankliniella occidentalis* 7250
  - *Leucoptera malifoliella* 3966, 7251, 8503-8504
  - magpies 8451
  - mammals 8450
  - meadow voles 762
  - *Panonychus ulmi* 67, 4689, 7246, 8495, 8501
  - parakeets 8451
  - *Phyllonorycter blancardella* 3966, 7251-7252
  - Phytoseiidae 8495
  - pine voles 70, 762
  - *Pratylenchus* 2631
  - *Pratylenchus penetrans* 4688
  - *Quadraspidiotus perniciosus* 8505
  - rodents 1954
  - *Stigmella malella* 3966
  - surveys, techniques 743
  - *Synanthedon myopaeformis* 68, 7253, 8506
  - *Taeniothrips* 7247
  - Tetranychidae 1950
  - *Tetranychus* 772
  - *Tetranychus urticae* 4689, 7246
  - *Tetranychus viennensis* 3250
  - *Thrips carthami* 7247
  - *Thrips flavus* 7247
  - Thysanoptera 8507
  - Tortricidae 8504
  - *Tortrix* 8499

**Apples** *cont.*
- pests *cont.*
  - voles 69
  - *Xiphinema* 2631
  - *Zetzellia mali* 8495
  - *Zyginella mali* 8508
- photoperiodism 3967-3968
- photosynthesis
  - cultivars 2617
  - inhibitors 7262
  - physiology 3260
  - training 766
- plant
  - anatomy 7256
  - biochemistry, growth regulators 1943, 3254
  - composition 38, 775, 3967-3968
  - development
    - assessment 763
    - growth regulators 3254
    - measurement 7194
    - phenology 744
- planting
  - spacing 754, 757, 3237, 3243, 4677, 5435, 5444, 6430, 7227
  - systems 59, 3954, 7228
- planting stock
  - production
    - containers 9026
    - techniques 5434, 5441, 5444, 8474
  - pruning 1286, 1939
  - quality, feathers 6424
  - size 1287
- pollen
  - germination
    - gamma radiation 6455
    - growth regulators 3256
  - morphology 2612
  - tubes, composition 3255
- pollination
  - compatibility 1296-1297, 3255
  - cultivars 1295-1298, 2612
  - pollinators
    - Apoidea 3231, 5471
    - insects 7261
  - research 7260
- pollution
  - heavy metals 6432-6434
  - radioactive fallout 6510
- processing, cultivars 8456
- production
  - Argentina 7204
  - Chile 7204
  - Czechoslovakia 2610
  - France 1270
  - Indonesia 6377
  - Netherlands 5423
  - reclaimed land 3959
- pruning
  - responses 1289, 3242-3244, 3252, 3957, 7227
  - seasons 7232
  - systems
    - assessment 3242, 3244, 7232, 8484
    - books 3208
    - growth regulators 2626
    - mechanical methods 3243
    - root pruning 1957, 3957
  - wound dressings 8483
- reports
  - Berlin 2585
  - Cyprus 731
  - German Federal Republic 14-17, 732, 3214-3216, 3916
  - New Zealand 1892
  - USA 3219
- research, France 3229
- respiration
  - seasonal variation 8515
  - water relations 8509
- rhizosphere, microorganisms 7235
- ringing, responses 1941
- roots
  - composition 2628
  - development
    - rootstock scion relationships 1937, 5437
    - soil amendments 5461
  - exudates 5464

**Apples** *cont.*
- roots *cont.*
  - physiology 5464
  - tissue culture 58
  - vascular system 8459
- rootstock scion relationships
  - diseases 1275, 7222
  - disorders 5462
  - dormancy 6452
  - growth 62, 754-755, 1286, 1932, 1934, 1937, 3951, 4688, 5437, 6428, 7219, 7221, 7224, 8457, 8461-8462, 8467
  - nutrition 5438, 5440, 5462
  - pests 4688
  - physiology 1934, 4673, 6466
  - pruning 1286
  - soil structure 3247
  - spacing 5444
  - winter hardiness 5439
  - yields 52, 57, 62, 754-755, 1934-1935, 2623, 4674, 5433, 6428, 7224, 8462, 8467
- rootstocks
  - anatomy 8459, 8465-8466
  - assessment 755, 1936
    - Belgium 8467
    - USA 4674
    - USSR 2623
  - characteristics 1275
    - Denmark 6415
  - chilling requirement 8464
  - clones 8467
  - cultural methods 1951, 5444, 6442
  - disorders 3961
  - dwarfing 1285, 1932-1933, 2623, 4693, 8463
  - growth regulators 768
  - nutrition 5440
  - physiology 4693
  - propagation
    - cuttings 1271, 1285, 1933, 5436, 5457
    - layering 1285
    - stooling 1936, 8458
    - tissue culture 58, 1931, 3636, 4675, 5443, 7226, 8382
  - soil types 5455
  - temperature 1284
- sap, composition 5456
- seeds
  - biochemistry, temperature 1955
  - composition 55
  - dormancy, physiology 56, 8460
  - germination, growth regulators 55
  - treatment 3953
- shade, responses 7262
- shoots
  - biochemistry, seasonal variation 4693
  - development
    - growth regulators 761, 1941, 1943, 3246, 3257, 5453-5454, 6437-6438, 8470
    - orientation 761
    - seasonal variation 764
    - temperature 72
  - mechanical properties, mathematical models 7255
  - vascular system 8465
- snow, responses 3955
- soil aeration, responses 84
- soil amendments 5461
- soil fumigation 4688, 6446
- soil management
  - responses 1954
  - systems 758, 1954, 2627
- soil sickness 1951
- soil structure, responses 3247
- soil temperature, responses 1288
- soil types 5455
- soil water, responses 759, 3959, 3961
- soilless culture, nutrition 8474
- solar radiation, injuries 777
- stooling, responses 8458
- storage
  - biochemistry 84, 3264
  - buildings 5475
  - cultivars 4670, 6427

**Apples** *cont.*
storage *cont.*
diseases 778, 1306-1307, 3265, 3976, 5480, 6459, 6464, 7244, 7270, 7273, 8485, 8519
disorders 65, 83-84, 777, 779, 1300, 1305, 3969, 3971, 4701, 4708, 4710, 4712, 5466, 5470, 5479-5480, 6460, 6462-6464, 7267-7272, 7274, 8516
economics 4707
humidity 4706, 6461
losses 5479
physiology 83, 1304, 3266, 3974, 4704, 4710, 4739, 5476-5478, 6459, 6461, 6463, 7274
quality
assessment 6465
cultivars 1964, 4707
growth regulators 80, 1300, 3246, 3262, 4697
harvesting date 74, 5479, 7269, 7271, 8516
irrigation 6464
nutrition 6463-6464
systems
assessment 3235, 8518
cold storage 1965, 3972-3973, 4705-4707, 4709, 6441, 7270
controlled atmosphere storage 79, 81-83, 776, 779, 2643, 3969, 3971-3973, 4701, 4705, 4707-4709, 5475-5477, 6459-6460, 6464, 7267-7268, 7270
reviews 1302, 1305
hypobaric storage 2644
temperature 779, 2643, 3969, 5466
treatment 776, 778, 1306-1307, 1964, 2630, 3972, 3976, 4704, 4708, 4711, 6459, 7273-7274, 8485, 8518
taxonomy, chemotaxonomy 2613
tissue culture
biochemistry 1252
culture media 1345, 3276, 7226
embryogenesis 8468
histology 58
propagation
anthers 8468
callus 3953
embryos 3953
meristems 1345
micropropagation 740, 1931, 1938, 3636, 3952, 4662, 4676, 5443, 8382
techniques 4675, 5443, 7225-7226
protoplasts 6429
training
responses 760, 766, 3243
systems 46, 60, 78, 760, 766, 2625, 3243, 4677-4678
transpiration
nutrition 71
rootstock scion relationships 3950
water relations
biochemistry 767
cultivars 1924, 7220
cytology 3974
growth regulators 768
irrigation 3241
measurement 2019
physiology 8509
propagation 4434
waterlogging 756
weed control 3240, 5449-5450, 7208-7209, 7230, 8469
winter hardiness
cultivars 1929, 3955
rootstock scion relationships 5439
spacing 1929
yields, correlation 1928, 2617
**Apricots**
as rootstocks, plums 116, 8574-8575
buds, dormancy, temperature 3995, 6471
chilling requirement 1969
climate, microclimate 2650
cold, resistance, biochemistry 2648
**Apricots** *cont.*
cultivars
assessment
Bulgaria 5481
Czechoslovakia 1969
Hungary 1968
Italy 4714
USSR 3986-3988, 3991, 7297
biochemistry 4715
characteristics 1966
Bulgaria 8446
New Zealand 6467
USA 3992
USSR 741, 3989
diseases 1309, 3983, 8446
dormancy 3995, 7277
drought 3985, 3990
flowering date 5481
growth 6470
nectar 1272
processing 4714
temperature 1310-1311
winter hardiness 2647-2648, 2651, 2675, 3983-3984, 3986-3987, 3991, 3993, 4713, 8446
cultural methods, Czechoslovakia 1967
diseases
*Gnomonia erythrostoma* 4716
*Monilinia* 5523
*Pseudomonas syringae* pv. *syringae* 7210
dormancy, cultivars 7277
drought
resistance
cultivars 781, 3990
tests 3985
economics, Turkey 8445
flowers
development, physiology 3994
initiation, physiology 6469
frost
injuries 2650, 7151, 7206
resistance
cultivars 1310-1311, 2647, 2651, 2675, 3983-3984, 3987
growth regulators 6412
physiology 6469
fruits
composition 4715
development
biochemistry 6472
physiology 7279
quality
assessment 43, 1966, 3908
harvesting date 1966
ripening, nutrition 1970
fungicides, disease resistance 5523
growth regulators
daminozide, responses 8521
kinetin, responses 8521
NAA, responses 86
high density planting, cultivars 2649
landscaping, USSR 3613
marketing, Europe 7138
nutrition
iron 5482
nitrogen 86, 1970
phosphorus 1970
potassium 1970
pests
bulbuls 8451
magpies 8451
parakeets 8451
plant
composition 9097
development, phenology 744
pollen
germination
cultivars 1313
growth regulators 3234
tubes, development 3234
processing, cultivars 4714
production
Argentina 7204
Chile 7204
Czechoslovakia 2610
France 1270
pruning
labour requirements 3244
responses 3244
systems, mechanical methods 3244
**Apricots** *cont.*
reports, German Federal Republic 17
rootstock scion relationships, yields 2649
rootstocks
characteristics 1915
diseases 7328
propagation, seeds 1312
seeds
development, biochemistry 6472
treatment 7278
shoots, development, assessment 6470
storage
physiology 3974
systems, controlled atmosphere storage 1966
training, systems 46, 6468
water relations, cytology 3974
winter hardiness
assessment 3993
cultivars 3986, 3991
physiology 3994
***Apsylla cistellata,*** mangoes 7079
***Aquilaria agallocha,*** plant, composition 3671
***Aquilegia***
cultivars, assessment, UK 396
seedlings, production, cultural methods 4345
***Arabis caucasica***
cultivars, assessment, Denmark 6787
cuttings, cultural methods 4346
**Araceae**
inflorescences, physiology 5949
leaves, morphology 427
plant, morphology 2968
pollination, physiology 5949
reproduction, physiology 8435
shoots, morphology 428
taxonomy, anatomy 1024
***Arachniodes adiantiformis,*** cut foliage, preservatives 4392
***Arachnis hookerana* × *Vanda tricolor,*** pollen, development, cytology 1031
***Aralia***
pests
*Otiorhynchus salicicola* 8998
*Otiorhynchus sulcatus* 8998
protected cultivation, energy conservation 4633
***Aralia elegantissima*** (*see Dizygotheca elegantissima*)
***Aralia japonica*** (*see Fatsia japonica*)
***Aralia sieboldii*** (*see Fatsia japonica*)
***Aranda***
breeding, intergeneric hybridization 1031
pollen, development, cytology 1031
tissue culture
culture media 7907
propagation, callus 5065, 7907
***Araucaria araucana,*** plant, composition 7922
***Araucaria heterophylla,*** nutrition, iron 4391
***Araujia sericofera,*** plant, composition 9119
**Arboreta**
UK 6064, 7918
USSR 6082
***Arbutus unedo,*** photosynthesis, light 1049
***Arcangelisia flava,*** leaves, composition 5161
***Archangelica officinalis*** (*see Angelica archangelica*)
***Arctium lappa,*** plant, composition 184
***Arctostaphylos uva-ursi***
cultivars, characteristics, Czechoslovakia 6912
cultural methods, Czechoslovakia 6912
leaves, composition 547
planting stock, production, containers 2268
shoots, development, assessment 6175
wild plants, utilization, USSR 6158
***Ardisia crispa***
flowers, development, histology 1644
leaves, nodulation 1644
roots, composition 1711

***Ardisia oxyphylla,*** roots, composition 1103
***Ardisia solanacea,*** plant, composition 6176
***Areca***
disorders, tender nut drop 9306
intercropping
bananas 7055
cocoa 7055
*Piper nigrum* 7055
tropical crops 3875
*Zingiber officinale* 3012
nutrition, green manures 9305
reports, India 7134
roots, exudates 7055
***Areca catechu***
cultural methods, agroforestry 2546
diseases, *Glomerella cingulata* 1823
intercropping, cocoa 6294, 9329
nuts, composition 2345
plant, composition 3702
***Argania sideroxylon***
ecology, Morocco 6237
seeds, composition 6237
**Argentina**
fruit crops, production 7204
olives
cultivars 1814
cultural methods 1814
*Simmondsia chinensis*
cultural methods 8123
research 9227
***Argyresthia conjugella,*** apples 8497
***Aristea capitata,*** flowers, histology 8967
***Aristolochia gigantea,*** leaves, composition 8025
***Aristolochia manshuriensis,*** pollution, sulphur dioxide 5072
***Aristotelia chilensis,*** surveys, Chile 3298
***Armeria pseudarmeria,*** flowers, development, photoperiodism 6784
***Armillaria,*** *Prunus* 1915
***Armillaria mellea***
chestnuts 5487
kiwifruits 6511
***Armillaria tabescens,*** composition 2185
***Armoracia rusticana***
nutrition 502
manures 5102
nitrogen 5102
phosphorus 5102
potassium 5102
plant, composition 7951
tissue culture, propagation, techniques 3653
***Arnebia hispidissima,*** plant, composition 6165
***Arnica chamissonis,*** flowers, composition 1712
***Arnica montana,*** flowers, composition 1712
***Aronia arbutifolia,*** growth regulators, chlormequat, injuries 7335
***Arrabidaea magnifica,*** cuttings, physiology 7915
**Arsenic**
toxicity
*Syzygium cumini* 3224
tamarinds 3224
***Artabotrys hexapetalus***
leaves, composition 530
plant, composition 1104
***Artemisia***
leaves, composition 6913
plant
composition 532
morphology 532
species, assessment, USSR 6138
***Artemisia absinthium***
nutrition 2331
plant, composition 1106, 1713, 3051, 4451, 6138, 6161
***Artemisia afra,*** roots, composition 5111
***Artemisia alba,*** taxonomy, chemotaxonomy 1064
***Artemisia annua***
flowers, composition 6869
leaves, composition 2346
plant, composition 3723-3724, 4478, 6138, 6153, 8026
tissue culture, metabolites, production 548
***Artemisia anomala,*** plant, composition 549-550
***Artemisia argyi,*** plant, composition 1106
***Artemisia caerulescens,*** plant, composition 3712
***Artemisia campestris,*** leaves, histology 6914
***Artemisia capillaris***
buds, composition 5139
plant, composition 1091
***Artemisia dracunculus***
cuttings, treatment 4443
nutrition 2331
plant, composition 3032, 6138, 8027
tissue culture, propagation, micropropagation 2299, 4443
***Artemisia herba-alba,*** plant, composition 1105, 3672, 6901
***Artemisia judaica,*** plant, composition 1105, 1107, 5162
***Artemisia monosperma,*** plant, composition 1105
***Artemisia pallens,*** plant, composition 3014
***Artemisia parviflora,*** plant, composition 530
***Artemisia santonica,*** plant, composition 6138
***Artemisia scoparia,*** plant, composition 551, 1701, 6138
***Artemisia taurica,*** plant, composition 6138
***Artemisia tridentata,*** plant, composition 508
***Artemisia variabilis,*** plant, composition 1714
***Artemisia vestita,*** plant, composition 3666
***Arthrobotrys pleuroti,*** *Pleurotus sajor-caju* 8938
***Artipus floridanus,*** *Citrus* 9262
***Artocarpus*** (*see also* Breadfruits; Jackfruits)
***Artocarpus integer,*** leaves, composition 3165
***Arum,*** pollination, physiology 5949
***Arum maculatum***
plant
composition 532
morphology 532
***Arundinella bengalensis,*** as weeds, tea 4597
***Asarum europaeum,*** as ground cover plants, assessment 7823
***Asarum sagittarioides,*** plant, composition 1108
***Aschersonia aleyrodis***
control
of *Trialeurodes vaporariorum*
greenhouse crops 7188
ornamental plants 8949
***Asclepias,*** plant, composition 39
***Asclepias asperula,*** plant, composition 4469
***Asclepias curassavica***
plant, composition 9098
tissue culture, culture media 9120
***Asclepias syriaca***
plant, composition 636
tissue culture, biochemistry 4531
***Asclepias tuberosa,*** cultural methods, pot plants 6788
***Ascochyta lycopersici,*** tomatoes 6739
***Ascochyta pisi,*** peas 4247
***Ascophyllum nodosum,*** composition 6156
**Ascorbic acid**
application
cucumbers 6642
grapes 6540, 6576
hazelnuts 790
composition
*Allium rosenbachianum* 5615
*Amaranthus tristis* 3181
*Annona squamosa* 1217
apples 4670
*Baccaurea sapida* 4604, 6361
*Berberis orientalis* 4028
black currants 5536
broccoli 2826
Brussels sprouts 4148-4149
*Capparis decidua* 1821
*Capsicum* 289, 306
cauliflowers 1445
cherries 2655
*Codonopsis clematidea* 1725
*Flacourtia jangomas* 4604, 6361
**Ascorbic acid** *cont.*
composition *cont.*
*Hippophae rhamnoides* 832, 2740, 2744, 6536
lettuces 4865
mangoes 5313
*Moringa oleifera* 3776
*Muretia* 5615
*Opuntia* 5290
oranges 5264
pawpaws 3181
pears 4742
persimmons 1819
plums 8572
pumpkins 7583
*Ribes bibersteinii* 4028
*Ribes orientale* 4028
*Rosa* 1376
*Rubus caucasicus* 4028
strawberries 4057
tomatoes 1526, 2158, 2897, 4331, 7739
*Vaccinium corymbosum* 4045
vegetables 5629
metabolism
climate, strawberries 4768
cultivars
grapes 7412
lettuces 879
cultural methods, *Ziziphus mauritiana* 8362
defoliation, tomatoes 342
diseases, tomatoes 2894
growth regulators
apples 4684
apricots 86
carrots 4976
grapes 6574
pineapples 2562
plums 8585
herbicides, carrots 4333
light, lettuces 876
magnesium, lettuces 876
nematicides, tomatoes 3505
nitrogen
*Amaranthus tristis* 2937
fennel 3516
lettuces 875
nutrition
apricots 86
cherries 4722
cucumbers 4895
peaches 5492
pineapples 2562
plums 8585
radishes 7569
*Ziziphus mauritiana* 5353
physiology
guavas 698
mandarins 3846
mangoes 5322
pineapples 707
pollination
almonds 3231
*Hippophae rhamnoides* 2747
pome fruits 3231
pollution, *Bougainvillea spectabilis* 7938
pruning, apples 7232
ripening
*Aegle marmelos* 4601
bananas 1826
black currants 5536
grapes 4095
guavas 9349
*Hippophae rhamnoides* 2741
*Litchi* 4555
mangoes 7085
oranges 657
tomatoes 6754
*Ziziphus spina-christi* 6360
rootstock scion relationships, *Citrus* 1791
soilless culture, lettuces 218
storage
*Capsicum* 4942
cauliflowers 7561
grapes 4095, 6574
*Litchi* 2531, 4555
longans 2532
mandarins 8205

**Ascorbic acid** *cont.*
metabolism *cont.*
storage *cont.*
oranges 5281
peaches 8557
pineapples 708
rambutans 2532
vegetables 4167
tissue culture, *Lycium barbarum* 9173
X radiation, vegetables 7444
responses
carnations 5975
oranges 3844
***Ascotis selenaria,*** avocados 8165
***Asparagus***
cultivars
assessment
Australia 3463
German Democratic Republic 2879
German Federal Republic 3464
Netherlands 8838
New Zealand 280, 7702
biochemistry 3465
diseases 283, 7701
processing 5836
yields 7702
cultural methods, Mauritius 8671
diseases
control, New Zealand 283
*Fusarium* 5838
*Fusarium oxysporum* f.sp. *asparagi* 5839
*Gibberella fujikuroi* 5838
*Phoma asparagi* 4274
*Phytophthora megasperma* var. *sojae* 948
forcing 8839
growth regulators, dikegulac, responses 5837
harvesting
frequency 3467
harvesting date, assessment 3468
intercropping, *Simmondsia chinensis* 8136
marketing, Europe 7138
mycorrhizas 2880
nutrition
nitrogen 4826
phosphorus 4826
potassium 4826
packing, materials 8674
pests, *Ophiomyia simplex* 284
plant
biochemistry, sex 3465
composition 3466
planting stock
production, techniques 7703
treatment 5837
processing, cultivars 5836
protected cultivation, systems, plastic tunnels 5621
reports
Cyprus 731
German Federal Republic 732
New Zealand 734, 1892
research, Chile 2581
roots, composition 3465
seeds, treatment 5838
soil water, responses 282
soilless culture
cultural methods 8839
responses 3469
spears
quality
assessment 3468-3469
handling 4275
harvesting date 3467
storage 7705
storage
disorders 1407
packing 2881
treatment 2881, 7705
tissue culture
physiology 1518
propagation
callus 947
techniques 281
protoplasts 5840
responses, growth regulators 1517
***Asparagus*** *cont.*
transport, temperature 4275
weed control 4273, 7704
***Asparagus densiflorus***
cut foliage
preservatives 5057
storage 5057
tissue culture, physiology 1900
translocation, biochemistry 8429
***Asparagus racemosus,*** plant, composition 530
***Asparagus setaceus***
diseases
*Cladosporium* 7897
*Fusarium* 7897
***Asparagus* virus 2,** *Asparagus* 283
***Aspasia principissa,*** nectaries 6841
***Aspergillus***
as weeds, *Pleurotus sajor-caju* 1559
pawpaws 1844
*Pleurotus sajor-caju* 365
***Aspergillus candidus,*** control, of *Sclerotium cepivorum,* onions 2798
***Aspergillus flavus***
*Callistephus chinensis* 6007
populations, growing media, *Volvariella volvacea* 5940
*Tagetes erecta* 1592
*Vicia faba* 3424
***Aspergillus niger***
bananas 7064
*Callistephus chinensis* 6007
*Capsicum* 7731
dates 8209
garlic 1409
lemons 7032
onions 188, 1418
plums 1355
*Tagetes erecta* 1592
tomatoes 4330
*Vicia faba* 3424
***Aspergillus repens***
*Callistephus chinensis* 6007
garlic 1409
***Aspergillus sclerotiorum,*** garlic 1409
***Asperula,*** plant, composition 2304
***Asperula galioides,*** wild plants, utilization, ornamental plants 6003
***Asphodeline anatolica,*** plant, composition 6915
***Asphondylia,*** aubergines 5866
***Aspidiotus,*** mangoes 9356
***Astelia chathamica,*** frost, resistance, assessment 9027
***Aster,*** flowers, development, growth regulators 6785
**Aster, China** *(see Callistephus chinensis)*
***Aster cordifolius,*** cultural methods, pot plants 6786
***Aster dumosus,*** cultural methods, pot plants 6786
***Aster ericoides,*** cultural methods, pot plants 6786
***Aster novae-angliae,*** cultural methods, pot plants 6786
***Aster novi-belgii***
cultural methods, pot plants 6786
flowers, development, photoperiodism 6784
***Aster tataricus,*** plant, composition 1090
**Aster yellows,** carrots 2934
***Astilbe,*** plant, development, light 5018
***Astilbe chinensis,*** plant, development, light 5018
***Astragalus kabadianus,*** plant, composition 9121
***Astragalus membranaceus,*** roots, composition 3052
***Astragalus orbiculatus,*** plant, composition 3725, 9122
***Astragalus quisqualis,*** plant, composition 1109
***Astragalus schachirudensis,*** roots, composition 6916
***Astragalus tragacantha,*** plant, composition 3726, 6917
***Astragalus virgatus,*** plant, composition 3727
**Astrolecaniidae,** ornamental plants 8948
***Astroloba,*** tissue culture, taxonomy 2253
***Asystasia intrusa,*** as weeds, oil palms 3884, 8314
***Ateleia glazioviana,*** plant, composition 2454
**Atemoyas**
cultivars, soil temperature 679
cultural methods, Australia 3164
defoliation, responses 8230
flowers
development
cultural methods 8230
environment 4563
fruits
flavour, biochemistry 4564
ripening, physiology 8232
set, environment 4563
pruning, responses 8230
ringing, responses 8230
taxonomy, chemotaxonomy 1216
***Atractylodes lancea***
plant, composition 1090
tissue culture, propagation, techniques 3085
***Atractylodes macrocephala,*** rhizomes, composition 2347
***Atractylodes ovata,*** plant, composition 1090
***Atriplex,*** as weeds, vegetables 176
***Atriplex hortensis***
intercropping
cabbages 4155
cauliflowers 4155
***Atropa belladonna***
cultural methods
India 9099
Turkey 5163
cuttings, treatment 2348
plant, composition 531, 8029
research, Italy 6897
tissue culture
metabolites, production 9123
propagation, micropropagation 8029
**Aubergines**
cultivars
assessment, Italy 5864
diseases 2893, 5862-5863
germination 312
pests 8862
protected cultivation 5864
water relations 5850
yields 2157, 2882
diseases
*Pseudomonas solanacearum* 8864
*Sclerotinia sclerotiorum* 4295
*Verticillium albo-atrum* 6710
drought, resistance, cultivars 5850
fruits
composition 315
development, physiology 6715
quality, nutrition 4944
spectral data 8436-8437
growth regulators
alcohols, responses 2842, 4943
GA, responses 4971
handling, techniques 8846
harvesting, techniques, assessment 8846
insecticides, residues 3934, 5867
irrigation, water, salinity 1525
leaves, spectral data 8436-8437
marketing, Europe 7138
mulching, materials 4294
nematicides, responses 4971
nutrition 6713
manures 314
nitrogen 2157, 4944
phosphorus 2157
sulphur 4944
pests
*Amrasca biguttula* 6714
*Asphondylia* 5866
biological control, Italy 179
control, Togo 7733
*Leucinodes orbonalis* 5867, 6714
*Liriomyza bryoniae* 7456
*Meloidogyne incognita* 7457
*Meloidogyne javanica* 3699
*Myzus persicae* 6714
*Rotylenchulus reniformis* 7457, 8001

**Aubergines** *cont.*
pests *cont.*
*Tetranychus urticae* 7456
*Trialeurodes vaporariorum* 5914, 7456
*Tylenchorhynchus brassicae* 8001
planting, spacing 2157
pollution, uranium 8663
protected cultivation
cultivars 311, 5864
diseases 4295, 8864
nutrition 6713
pests 179, 7456
planting, seasons 311
systems
greenhouses 6390
plastic film 6400
plastic tunnels 4944
pruning, responses 8863
reports, German Federal Republic 16, 3215
seedlings
production
cultural methods 6703
growing media 6703
protected cultivation 987
seeds
composition 5865, 6159
germination, tests 312
production
extraction 2789
harvesting 6716
storage, duration 312
treatment 4819, 7457
viability, tests 7732
soil types 4944
soilless culture
growing media 8943
systems, nutrient film techniques 954
statistical methods, experimental design 3485
tissue culture
biochemistry 3486
propagation, protoplasts 313, 1524
translocation, physiology 7734
transport, systems, assessment 8846
water relations, temperature 955
weed control 176
***Aubrieta,*** cuttings, cultural methods 4346
***Aulacaspis tubercularis,*** mangoes 1838
***Aulacophora,*** melons 8754
***Aulacophora foveicollis, Momordica charantia*** 8739
***Auricularia,*** composition 2349
***Auricularia auricula***
composition 2185
growing media, composition 2188-2189
tissue culture, propagation, protoplasts 2187
***Auricularia polytricha***
composition 364
cultural methods, China 3522
tissue culture, propagation, protoplasts 2187
**Australia**
*Annona,* cultural methods 3164
*Asparagus,* cultivars 3463
*Averrhoa carambola*
cultural methods 8365
production 8365
avocados
cultural methods 2460, 8163
production 2460
bananas, cultural methods 8241
cabbages, cultivars 3374
carnations, production 5961
*Casimiroa edulis*
cultivars 3866, 8229
cultural methods 8229
chicory
cultivars 2817
cultural methods 2817
Cruciferae, pests, control 7552
Cucurbitaceae, pests, control 7606
essential oil plants, surveys 5110
feijoas
cultivars 5285
cultural methods 5285
grapes, cultivars 6546
**Australia** *cont.*
horticultural crops, pests, control, conferences 8379
kiwifruits, production 7139
leeks, cultivars 3359
*Litchi*
cultural methods 8210
production 8210
ornamental palms, diseases, control 4390
passion fruits, production 8223
*Phaseolus vulgaris,* pests, control 7637
rambutans, cultivars 8368
*Simmondsia chinensis*
cultural methods 8128
production 8131
subtropical fruits, production 7139
sugarcane, cultivars 7099
tomatoes
cultivars 7737-7738
pests, control 7777
tropical fruits, production 7139
*Vaccinium corymbosum,* cultivars 5545
wild plants, ornamental plants, cultural methods 5069
**Austria**
apples, cultivars 7219
grapes, diseases, control 8641
vegetables, diseases, control 6581
***Autographa gamma,*** greenhouse crops 7181
***Avena fatua,*** as weeds, *Papaver somniferum* 1157
***Averrhoa carambola***
cultivars
characteristics
Australia 8365
Taiwan 4603
cultural methods, Australia 8365
processing, cultivars 4603
production, Australia 7139
storage
packing 4602
temperature 4602
**Avocados**
budding, techniques 1787
climate, requirements 2467
conferences 1886
cultivars
biochemistry 2495, 4535, 5255, 5261
flowering 2490, 8163
growth 5249
harvesting date 2495
physiology 5262
ripening 1789
storage 2499, 2501
vibration 2509
cultural methods
Australia 2460, 8163
Italy 2587
Spain 2462
cuttings
micropropagation 6240
rooting
humidity 9303
juvenility 2464
sources
etiolation 1256, 5250
ringing 5250
treatment 2463, 5250
diseases
*Akaropeltopsis* 2477
*Phytophthora* 2478
*Phytophthora cinnamomi* 2479-2483, 7012, 8163
surveys
Mexico 2475
South Africa 2476
disorders
browning 2505, 2508
chilling injury 2503
grey pulp 2504
pulpspot 2504
flowers
development
assessment 7014
temperature 2489-2490, 2497
frost, resistance, nutrition 6241
fruits
browning
biochemistry 7015
**Avocados** *cont.*
fruits *cont.*
browning *cont.*
calcium 3123
composition 1789, 2508, 3827, 5260, 5262, 9243
development
biochemistry 2493, 2495, 5261
physiology 2494
mechanical properties, ripening 2509
quality, seasonal variation 4536
ripening
biochemistry 2504
growth regulators 2171, 8166
physiology 2493, 2496, 3263, 5262
set
nutrition 2492
temperature 2497
geographical distribution 2467
grafting, techniques, seedlings 2464
growth regulators
ABA
metabolism 2504
responses 2507, 8167
aminocyclopropane carboxylic acid, determination 3826
ethylene, responses 8166
GA, metabolism 2504
paclobutrazol, responses 2471
handling, techniques 2498
harvesting, harvesting date, assessment 2495-2496, 2507, 8167
heat, treatment 643
interstocks 2465
irrigation
requirements, determination 2469
water, salinity 5256
leaves
composition 642, 1190, 4535, 5252, 5255, 5260
physiology 1788
marketing, Europe 7138
nutrients, requirements, analysis 8418
nutrition 642, 8163
boron 2491
calcium 2473
nitrogen 2472, 2474, 2492, 5253, 6241, 7011, 8164
phosphorus 5252, 5254
packing, containers 2506
pests
*Amorbia cuneana* 2484
*Ascotis selenaria* 8165
*Ceratitis capitata* 643
*Cryptoblabes gnidiella* 8165
*Heliothrips haemorrhoidalis* 2485, 7013
photosynthesis, temperature 1190
plant, development, assessment 2487
planting stock, production, techniques 5257
pollination, physiology 2491
processing, quality, maturity 2501
production
Argentina 7204
Australia 2460, 7139
Chile 7204
Mexico 2461
South Africa 4536
Spain 2462
products
oils 2510
polysaccharides 4537
timber 2984
pruning, responses 2470
replanting, cultural methods 2468
reports
Berlin 2585
Cyprus 731
research, Chile 2581
roots
development
assessment 5249
soil types 2486, 5258
physiology 5259
rootstock scion relationships
growth 2465
salinity 5257

**Avocados** *cont.*
rootstocks
propagation
cuttings 1787
tissue culture 2466, 9242
salinity
responses 5257
tolerance 2474
seeds, composition 4537, 5260
soil types 5258
storage
disorders 2503-2505
pests 643
physiology 2502
systems
cold storage 2496
controlled atmosphere storage 2500
temperature 2498-2499
treatment 3123
tissue culture, propagation, techniques 2466, 9242
transport
containers 2506
systems, assessment 2498
vibration 2509
water relations
biochemistry 2488
physiology 5259
salinity 5256
yearbooks 4610-4611
***Axonopus compressus,*** as weeds, lawns and turf 8988
***Azadirachta indica***
leaves, composition 1696, 5164, 6918, 9124
plant, composition 3053, 6892, 9086, 9103
plant extracts
application
aubergines 7733
vegetables 7457
utilization, insect repellents 2323
pollution, research 7149
products, oilseed cakes 6743, 9075
reports, Berlin 2585
seedlings, development, morphology 501
seeds, composition 5142, 6152, 9085
**Azaleas** (*see Rhododendron*)
***Azospirillum brasilense,*** inoculation, tomatoes 5892
***Azotobacter chroococcum,*** inoculation, mangoes 699
***Azotobacter vinelandii,*** inoculation, tomatoes 4315
***Baccaurea sapida,*** fruits, composition 4604, 6361
***Baccharis artemisioides,*** plant, composition 3728
***Baccharis coridifolia,*** plant, composition 9125
***Baccharis megapotamica,*** plant, composition 8030
***Bacillus,*** control, of *Phytophthora cinnamomi,* avocados 2479
***Bacillus subtilis***
control
of *Phomopsis sclerotioides,* cucumbers 8753
of *Pyrenochaeta lycopersici,* tomatoes 8900
of *Sclerotium cepivorum,* onions 2798
***Bacillus thuringiensis***
control
of *Cydia pomonella,* apples 8498
of *Epilachna varivestis, Phaseolus vulgaris* 7639
of *Eupoecilia ambiguella,* grapes 7430-7431
of insects, ornamental plants 8949
of *Lobesia botrana,* grapes 7430-7431
of *Opogona sacchari,* Palmae 8999
of *Orgyia postica,* cocoa 9324
of pests, kiwifruits 6512
***Bacillus thuringiensis* subsp. *kurstaki***
control
of *Ascotis selenaria,* avocados 8165
***Bacillus thuringiensis* subsp. *kurstaki*** *cont.*
control *cont.*
of *Cacoecimorpha pronubana, Gerbera* 8957
of *Cryptoblabes gnidiella,* avocados 8165
**Bacteria**
control
of *Fusarium oxysporum* f.sp. *dianthi,* carnations 3540
of *Rhizoctonia solani,* durians 5358
populations
nodulation, *Ardisia crispa* 1644
rhizosphere
apples 6443
onions 4112
vegetables 4824
**Bactericidal properties** (*see* antibacterial properties)
**Bactericides** (*see also* Antibiotics)
Groen-ex, injuries, hyacinths 6027
kasugamycin, injuries, pears 8561
***Bactris gasipaes***
cultural methods, agroforestry 7111
intercropping, cocoa 6295
***Balanogastris kolae, Cola nitida*** 2554
**Bamboo shoots**
cultural methods, China 6763
production, Taiwan 6762
reports, Taiwan 7136
rhizomes, morphology 6761
***Bambusa oldhami,*** production, Taiwan 6762
**Bananas**
as mulches, cocoa 9319
cultivars
assessment
Pakistan 1824
South Africa 5292
biochemistry 1826, 9307
characteristics, India 5293
cultural methods
agroforestry 2546, 7111
Australia 8241
diseases
*Aspergillus niger* 7064
*Colletotrichum musae* 7064
*Erwinia carotovora* 8235
*Mycosphaerella fijiensis* var. *difformis* 7060
*Rhizopus oryzae* 7064
disorders, maturity bronzing 7059
drying, equipment 8259
flowers
development, cultivars 2547
initiation, cultivars 2547
fruits
browning, biochemistry 1826
composition 2550, 3168, 4653, 8239
development
cultural methods 7057
seasonal variation 1825
quality, handling, reviews 684
ripening
biochemistry 4568
growth regulators 1218, 2548, 8242
storage 2549
temperature 8242
size
cultural methods 7057
thinning 8241
thinning, responses 7057, 8240-8241
growth regulators, cytokinins, composition 8239
harvesting, harvesting date, forecasting 1825, 3869
insecticides, application 7062
intercropping
*Amorphophallus campanulatus* 9310
*Areca* 3875, 7055
cassava 9310
cocoa 686, 9319, 9322
coconuts 3875
*Hevea* 8313
*Vigna unguiculata* 9322
irrigation
fertilizers, application 3167, 6287
requirements, determination 6287
**Bananas** *cont.*
leaves
areas, assessment 7063
composition 5297
mycorrhizas 6288
nutrients
requirements
analysis 8418
assessment 6280
nutrition
manures 4567
nitrogen 682, 3167, 4567, 6288, 8234
phosphorus 4567, 6288, 8234, 9310
potassium 682, 4567, 8234
pests
*Cephalenchus emarginatus* 8236
*Chaetanaphothrips signipennis* 7061-7062
*Hoplolaimus pararobustus* 8236
Nematoda 6289
*Opogona sacchari* 8999
*Radopholus similis* 6742, 8236-8237
*Sexava nubila* 3877
plant
composition 9307
development, age 6286
plant residues, utilization, growing media 5937, 7178
planting
spacing 5295, 6286
systems 5295, 9308
planting stock, production, tissue culture 4566
production, Australia 7139
pruning
responses 5296
systems, assessment 9308
reports
Colombia 3213
Cyprus 731
roots
development
assessment 8238
seasonal variation 9311
exudates 7055
morphology 683
shade, responses 5298
soil management, responses 3166, 7058
soil types 3166
soil water, responses 7059
statistical methods, experimental design 6380
storage
buildings 4569
diseases 7064
quality, soil water 7059
systems
assessment 2549
controlled atmosphere storage 4569
treatment 2548, 7064
taxonomy, chemotaxonomy 9307
tissue culture
culture media 4566
embryogenesis 5294
propagation
embryos 6284, 8233
meristems 3868, 9309
micropropagation 6285
techniques 2545
transpiration
diurnal variation 9312
seasonal variation 9312
utilization, shade plants, cocoa 6296
water relations, soil management 3166
yields, correlation 3870
**Bangladesh**
broccoli, cultivars 1443
carrots, cultivars 8928
garlic, cultivars 7462
*Lagenaria siceraria,* cultivars 7576
mangoes, cultivars 8284
medicinal plants, surveys 9102
onions, cultivars 188
tomatoes, cultivars 7740-7741
***Baphia nitida,*** pruning, systems, growth regulators 9043
***Baphicacanthus cusia,*** plant, composition 1110

***Baptisia australis,*** plant, composition 2605
**Bark**
utilization
control, diseases, carnations 3540
growing media
container grown plants 3618
cucumbers 1474
foliage plants 2252, 5053
*Freesia* 4372
*Gerbera* 8955
horticultural crops 7177
*Lilium longiflorum* 409
*Nephrolepis exaltata* 442, 9006
olives 9294
oranges 650
ornamental plants 8944
pot plants 9002-9003
*Radermachera sinica* 5063
*Rhododendron obtusum* 6089
*Rosa multiflora* 4423
*Streptocarpus hybridus* 1591
*Syngonium podophyllum* 6055
tomatoes 966, 6731
woody plants 2265, 5070, 7916
mulches, container grown plants 3537
weed control, apples 7230
***Barleria prionitis,*** plant, composition 1696
***Barlia,*** wild plants, surveys, Italy 3603
***Basella alba***
nutrition
manures 7814
nitrogen 7814
phosphorus 7814
potassium 7814
seeds, development, embryology 980
shade, responses 7814
**Basil, sweet** (*see Ocimum basilicum)*
***Bassia butyracea*** (*see Diploknema butyracea)*
***Bassia scoparia*** (*see Kochia scoparia)*
***Bathycoelia rodhaini, Macadamia*** 1813
***Bauhinia manca,*** plant, composition 6919
**Bay laurel** (*see Laurus nobilis)*
**Bean common mosaic virus,** *Phaseolus vulgaris* 2125, 4201, 5746, 7616
**Bean golden mosaic virus,** *Phaseolus vulgaris* 7996
**Bean southern mosaic virus,** *Phaseolus vulgaris* 7616
**Bean yellow mosaic virus,** *Phaseolus vulgaris* 4201, 5746
**Beans** (***Cyamopsis***) (*see Cyamopsis tetragonoloba)*
**Beans** (***Phaseolus***) (*see Phaseolus)*
**Beans** (***Vicia***) (*see Vicia faba)*
***Beauveria bassiana,*** control, of Curculionidae, *Citrus* 9262
**Bedding plants**
seedlings
planting, mechanical methods 371
production, protected cultivation 5943
**Bees** (*see* Apoidea)
**Beet pseudo yellows virus**
cucumbers 6651
lettuces 5672
**Beet western yellows virus,** lettuces 5672
**Beetroots**
cultivars
assessment, USSR 867, 7492
biochemistry 7797
characteristics, USSR 202
diseases 867
processing 867
diseases
*Cercospora beticola* 6759
*Fusarium* 5647
*Pythium ultimum* 5647
*Rhizoctonia solani* 5647
fungicides, translocation 6759
growth regulators
GA, responses 7493
uniconazole, responses 7493
intercropping, cauliflowers 4155
nutrition
boron 2933
nitrogen 4839
parasitic plants, *Cistanche phelypaea* 8693
plant, composition 4120
**Beetroots** *cont.*
pollution, ozone 1406
processing, cultivars 867
reports, German Federal Republic 3215
roots
biochemistry 2801-2802
composition 868, 1423, 5628, 7612, 7797
physiology 2098, 4840
rotations 5647
seeds
composition 5618
germination, physiology 5618
sowing, depth 358
treatment 5647
soil amendments 4102
soil compaction, responses 5624
stecklings, quality 3510
***Begonia***
cultural methods, pot plants 406
diseases
*Erysiphe polyphaga* 9093
*Pythium splendens* 1596
economics, Norway 6085
growing media, composition 8946
insecticides, injuries 1596
irrigation, water, composition 372
nutrition, nitrogen 8970
sap, composition 8970
seedlings, production, cultural methods 1014
tissue culture
organogenesis 4347
propagation
micropropagation 5029
responses 5000
***Begonia cheimantha,*** growth regulators, cytokinins, composition 8971
***Begonia cucullata,*** cultural methods, pot plants 5051, 6049
***Begonia erythrophylla,*** leaves, composition 1015, 3565
***Begonia fimbristipula,*** tissue culture, embryogenesis 6802
***Begonia hiemalis***
cultivars
diseases 6801
pot plants 7858
cultural methods, pot plants 5943, 7858-7859
cuttings, sources, cultural methods 1255
dwarfing, growth regulators 7859
mutants, induction, gamma radiation 1013
nutrients, absorption, humidity 2940
tissue culture
explants, sources 8969
propagation
meristems 6801
micropropagation 405
***Begonia manicata,*** taxonomy, nomenclature 6800
***Begonia tuberhybrida***
nutrition 4368
tissue culture, propagation, callus 4367
tubers, production, cultural methods 4368
**Belgium**
apples
cultivars 53
rootstocks 8467
cabbages, cultivars 7532
cherries, cultivars 7280
fennel, cultural methods 979
greenhouse crops, cultural methods 4101
hops, cultivars 1078
horticultural crops, marketing 7138
*Kohleria,* cultivars 7879
peas, cultivars 7654
spinach, cultivars 7494
strawberries, cultivars 139, 6522, 7360
Welsh onions, cultivars 2097
***Bellevalia,*** cultivars, assessment, Czechoslovakia 2221
***Bellis,*** cultural methods, pot plants 1007
***Bellis perennis,*** plant, composition 5143, 6156
***Bemisia tabaci***
*Capsicum* 8849
***Bemisia tabaci*** *cont.*
marrows 8755
tomatoes 5908, 5913
***Benincasa hispida***
cultivars, diseases 1462
fruits, composition 3408
products, beverages 3408
storage, diseases 1472
***Benthamidia capitata,*** wild plants, edible species 5415
***Berberis***
species, assessment, USSR 3318
tissue culture, biochemistry 3069
***Berberis aggregata,*** geographical distribution 3318
***Berberis amurensis,*** geographical distribution 3318
***Berberis aquifolium*** (*see Mahonia aquifolium)*
***Berberis buxifolia,*** surveys, Chile 3298
***Berberis canadensis,*** geographical distribution 3318
***Berberis chinensis,*** flowers, composition 4430
***Berberis darwinii,*** surveys, Chile 3298
***Berberis heteropoda,*** flowers, composition 4430
***Berberis koetineana,*** plant, composition 552
***Berberis koreana,*** geographical distribution 3318
***Berberis orientalis,*** fruits, composition 4028
***Berberis pseudambalata,*** plant, composition 553
***Berberis thunbergii***
geographical distribution 3318
water relations, temperature 2280
***Berberis vulgaris***
flowers, composition 4430
fruits, composition 4028
geographical distribution 3318
***Berberis wilsoniae,*** plant, composition 1715
***Berchemia racemosa,*** shoots, composition 554
***Bergenia crassifolia,*** leaves, development, light 1585
**Bermuda grass** (*see Cynodon)*
***Bertholletia*** (*see also* Brazil nuts)
***Beta*** (*see also* Beetroots; Spinach beets)
***Beta vulgaris*** **var.** ***benghalensis***
intercropping
cabbages 4155
cauliflowers 4155
**Betacyanins**
biochemistry, *Amaranthus tricolor* 361
metabolism, tissue culture, *Chenopodium rubrum* 4448
production
tissue culture
*Chenopodium rubrum* 6998
*Phytolacca americana* 2413-2414
**Betaine**
biosynthesis, spinach 3368
composition
*Echinacea* 6193
*Hippophae rhamnoides* 5569
***Betonica officinalis*** (*see Stachys officinalis)*
***Betula ermanii,*** cuttings, types, summer cuttings 2982
***Betula jacquemontii***
cuttings, types, summer cuttings 2982
planting stock, production, containers 7920
***Betula nigra***
planting stock, production, containers 7920
wounds, healing 1036
***Betula papyrifera,*** cuttings, sources, etiolation 1032
***Betula pendula***
buds, composition 3673
cuttings, types, summer cuttings 2982
planting stock, production, containers 7920
pollution, tolerance 4414
tissue culture, propagation, meristems 1254

***Betula pubescens,*** buds, dormancy, physiology 1904
***Betula utilis,*** planting stock, production, containers 9026
**Bibliographies**
agriculture
Bulgaria 1879
Malawi 4621
horticultural crops, Argentina 7137
lawns and turf
diseases, control 5047
pests, control 5047
weed control 5047
*Phaseolus vulgaris* 4199
*Rosa* 473
tissue culture 1
***Bidens aurea,*** as weeds, pears 1346
***Bidens formosa*** (*see Cosmos bipinnatus)*
***Bidens pilosa***
as weeds, sugarcane 6333
leaves, composition 3729
***Bidens tripartita,*** as weeds, carrots 4333
**Biennial bearing** (*see* Irregular bearing)
**Bilberries** (*see Vaccinium)*
**Biological control**
Acari
apples 7245
greenhouse crops 7188, 7458
horticultural crops 8379
ornamental plants 7458, 8947
temperate fruits 7211
*Aceria guerreronis,* coconuts 9338
*Agrobacterium tumefaciens*
fruit crops 6417-6418
roses 6418
*Aleurocanthus woglumi, Citrus* 9263
Aleyrodidae, vegetables 308
Aleyrodoidea, ornamental plants 8948
*Alternaria brassicicola*
*Brassica* 5689
cabbages 5700
*Alternaria raphani,* radishes 5700
*Amyelois transitella,* almonds 3233, 8453
*Anastrepha suspensa,* fruit crops 8422
Aphididae
greenhouse crops 180
ornamental plants 8948
*Aphis gossypii,* chrysanthemums 380
*Ascotis selenaria,* avocados 8165
*Botrytis cinerea*
apples 7242, 7273
roses 6097
strawberries 7242
*Cacoecimorpha pronubana, Gerbera* 8957
*Ceratocystis paradoxa,* sugarcane 6343
*Ceratovacuna lanigera,* sugarcane 9396
*Ceroplastes rubens, Citrus* 654
*Chilo,* sugarcane 6344
*Chilo sacchariphagus,* sugarcane 9394
*Chondrostereum purpureum,* apples 3964
*Cryphonectria parasitica,* chestnuts 7289
*Cryptoblabes gnidiella,* avocados 8165
Curculionidae, *Citrus* 9262
*Cuscuta gronovii, Vaccinium* 8610
*Cydia pomonella,* apples 67, 8498, 8500
*Delia radicum,* cabbages 7802
*Dialeurodes citri, Gardenia jasminoides* 6856
Diaspididae, ornamental plants 8948
diseases, greenhouse crops 181
*Ectomyelois ceratoniae,* dates 3153, 3855
*Eotetranychus pruni,* apples 3250
*Epilachna varivestis, Phaseolus vulgaris* 7639
*Eupoecilia ambiguella,* grapes 7430-7431
*Eurhizococcus brasiliensis,* grapes 5606
*Frankliniella occidentalis*
cucumbers 7607
greenhouse crops 180
melons 7607
*Fulvia fulva,* tomatoes 1537
fungi
apples 6443
beetroots 5647
**Biological control** *cont.*
*Fusarium oxysporum,* watermelons 5736
*Fusarium oxysporum* f.sp. *asparagi, Asparagus* 5839
*Fusarium oxysporum* f.sp. *conglutinans,* cabbages 8723
*Fusarium oxysporum* f.sp. *cucumerinum,* cucumbers 3399, 7603
*Fusarium oxysporum* f.sp. *dianthi,* carnations 3540
*Fusarium oxysporum* f.sp. *radicis-lycopersici,* tomatoes 3502
*Helicoverpa armigera,* tomatoes 1539
*Heliothrips haemorrhoidalis,* avocados 7013
Hemiptera, *Lagenaria siceraria* 5740
insects
greenhouse crops 7188
ornamental plants 8947, 8949
sugarcane 8341
tea 6355
tomatoes 5913
Lepidoptera
sugarcane 9395
walnuts 4026
*Leptinotarsa decemlineata,* tomatoes 7779
Limacodidae
coconuts 3910
oil palms 3910
*Lipaphis erysimi,* radishes 5701
*Liriomyza bryoniae,* greenhouse crops 7189
*Liriomyza trifolii*
*Gerbera* 6779, 8958
greenhouse crops 7189
vegetables 8670
*Lobesia botrana,* grapes 7430-7431
*Meloidogyne incognita,* okras 3472
*Myzus persicae*
*Capsicum* 953
chrysanthemums 380
Nematoda
plants, reviews 7184
sugarcane 8335
*Neoplinthus tigratus, Ruscus* 8998
*Opogona sacchari,* Palmae 8999
*Oryctes rhinoceros,* coconuts 8261
*Otiorhynchus, Aralia* 8998
*Oxalis pes-caprae,* grapes 4078
*Panonychus ulmi,* apples 8501
*Penicillium expansum,* apples 7273
pests
greenhouse crops 179, 182
kiwifruits 6512
mangoes 5317
vegetables 178
*Phomopsis sclerotioides,* cucumbers 8753
*Phytophthora cactorum,* apples 7243
*Phytophthora cinnamomi,* avocados 2479, 7012
*Pieris rapae, Brassica* 7553
*Planococcus citri, Citrus* 1798
*Plutella xylostella, Brassica* 7553
*Prionoxystus robiniae,* figs 6484
*Pseudomonas fluorescens,* strawberries 4769
*Pseudomonas syringae,* strawberries 4769
*Psila rosae,* carrots 7802
*Pyrenochaeta lycopersici,* tomatoes 8900
*Pyrilla perpusilla,* sugarcane 6345, 9398
*Pythium ultimum,* peas 7672
*Rosellinia necatrix,* apples 1291
*Scapteriscus,* lawns and turf 8992-8993
*Scirpophaga nivella,* sugarcane 6344
*Sclerotium cepivorum,* onions 2798
*Sexava nubila,* tropical crops 3877
*Tetramoera schistaceana,* sugarcane 9394
Tetranychidae, vegetables 181
*Tetranychus kanzawai,* tea 9404
*Tetranychus urticae*
cucumbers 7605
*Gerbera* 6779
greenhouse crops 180, 7189
ornamental plants 7189, 8956
**Biological control** *cont.*
*Tetranychus urticae cont.*
peaches 5495
*Tetranychus viennensis,* apples 3250
Thripidae, vegetables 308
*Trialeurodes vaporariorum*
*Gerbera* 6779
greenhouse crops 180, 5914, 7189
ornamental plants 8949
vegetables 181
*Venturia inaequalis,* apples 6448
***Biosteres longicaudatus,*** control, of *Anastrepha suspensa,* fruit crops 8422
***Bipolaris sacchari,*** sugarcane 1864, 8325, 8333, 9381
**Bird repellents,** trimethacarb, injuries, temperate fruits 8451
**Birds**
control, of insects, tea 6355
pawpaws 1844
plums 5524
temperate fruits 8451
***Bischofia javanica,*** plant, composition 5165
***Bissetia steniella,*** sugarcane 8341
**Black currants**
buds, composition 3666, 4033
cultivars
biochemistry 5536
characteristics, Hungary 2023
diseases 2706
pests 7339
temperature 7340
tissue culture 7342
cultural methods
labour requirements 2024
mechanization 2024
cuttings
rooting
cultural methods 7341
growing media 1271
frost
protection, techniques 8598
resistance
cultivars 8598
growth regulators 6412
physiology 3253
fruits
colour, assessment 2708
composition 5536
ripening, temperature 7340
harvesting, techniques, mechanical harvesting 2024, 7213
herbicides
injuries 5537
residues 5537
tolerance 5537
irrigation, responses 5538, 6516
pests, *Cecidophyopsis ribis* 1362, 6447
planting stock, production, techniques 7341
pollution, radioactive fallout 6510
processing, quality, assessment 2708
products, flavour compounds 4033
reports
Berlin 2585
German Federal Republic 732, 3916
research, France 3229
seeds, composition 6211
surveys, Chile 3298
tissue culture, propagation, meristems 7342
weed control 4032, 5537
wild plants, utilization, USSR 6158
**Blackberries**
cultivars
assessment, Netherlands 2025
biochemistry 821
characteristics, Canada 127
diseases 2025, 4034
growth 7344
mechanical harvesting 4036
morphology 5539
processing 4035
frost, resistance, physiology 6518
fruits, ripening, biochemistry 40, 821
harvesting, techniques, mechanical harvesting 4036
nutrition 128
pests, insects 7334
pollination, compatibility 3303

**Blackberries** *cont.*
processing, cultivars 4035
reports, German Federal Republic 732
roots, development, cultivars 5539
shoots, development, cultivars 7344
taxonomy, keys 6517
tissue culture
biochemistry 5540
storage 2017, 7363
weed control 4773
**Blaeberries** (*see Vaccinium*)
**Blanching,** techniques, endives 5662, 6613
***Blechnum,*** spores, germination 3587
***Bletia hyacinthina*** (*see Bletilla striata*)
***Bletilla striata***
seedlings, development, physiology 3606
seeds, germination, culture media 3606
**Blood meal,** utilization, fertilizers, vegetables 2089
**Blueberries** (*see Vaccinium*)
***Blumea balsamifera***
leaves, composition 5166
plant, composition 6920
***Blumeriella,*** cherries 4717
***Blumeriella jaapii***
cherries 1315, 2652, 6474
stone fruits 8583
***Boehmeria nivea,*** cuttings, treatment 7991
***Boenninghausenia albiflora,*** plant, composition 3054
***Bolbostemma paniculatum,*** tubers, composition 6921
***Boletus aureus,*** mycorrhizas, chestnuts 4000
***Boletus edulis***
composition 4341
ecology, USSR 1556
***Boletus granulatus*** (*see Suillus granulatus*)
***Boletus regius,*** composition 4473
***Boletus tropicus,*** composition 2190
**Bolting**
cultivars
celery 7808
Chinese cabbages 5678
onions 5636, 8680-8681
light, Chinese cabbages 3385
nutrition, onions 5636
planting
seasons
Chinese cabbages 7536
lettuces 7513
onions 5636
protected cultivation
celeriac 978
Chinese cabbages 5622
endives 210
soil temperature, Chinese cabbages 3383
***Bombax malabaricum,*** seedlings, development, morphology 501
**Books** (*see also* Dictionaries)
agriculture
China 7117
research 5366
apples
cultural methods
Czechoslovakia 6368
India 3912
pruning, systems 3208
coffee 4608
Cruciferae, USSR 1245
*Cyclamen* 6369
flowers
development
subtropical crops 7116
tropical crops 7116
foliage plants
diseases 1243
disorders 1243
fruits, quality, assessment 3908
fungi, edible species, North America 6371
grapes
cultivars, USSR 726
frost, resistance, physiology 3907
planting 3207
growing media, characteristics, pot plants 7113
*Hippophae rhamnoides* 1878, 1881

**Books** *cont.*
horticultural crops
cultural methods, Africa 6367
nutrition 2580
organic culture, Hungary 2579
integrated control, pests 7114
*Mentha piperita* 728
Mexico, flora 3913
mutants, induction 8369
nut crops 1244
nutrients, requirements, analysis 6372
Palmae, pests, Asia 3910
plant
development, stresses 6370
sex, physiology 3909
plants, utilization, water purification 3206
seeds, production, horticultural crops 729
stomata 7118
strawberries, production, France 1880
subtropical crops, USSR 3911
taxonomy, nomenclature 5361
tissue culture 3915, 5362-5363
culture media 5360
metabolites, production, plants 5359
propagation, techniques, plants 5365
*Vaccinium* 7115
woody plants
roots, development, assessment 727
winter hardiness 5364
***Borago officinalis***
cultural methods, Denmark 9107
research, Italy 6897
seeds
composition 6211
production, cultural methods 2350
***Borassus flabellifer,*** conservation, India 6362
**Boron**
absorption
cauliflowers 2831
kiwifruits 2021
passion fruits 674
*Vaccinium macrocarpon* 4050
composition
avocados 5255
*Capsicum* 2888
*Macadamia* 9283
melons 6650
watermelons 6650
deficiency
beetroots 2933
broccoli 2109, 3382, 5688
carrots 2933
cauliflowers 5687
*Cola nitida* 2554
*Hydrangea* 6845
pawpaws 1842
tomatoes 5903
tulips 7875
metabolism
calcium
pawpaws 1842
peaches 798
carbon dioxide, celery 7809
fruiting, *Litchi* 8212
growth regulators, apples 4686
irrigation, tomatoes 7757
nitrogen, peaches 798
phosphorus, tomatoes 2908
physiology
broccoli 237
pineapples 707
ripening, boysenberries 131
salinity, peaches 8549
seasonal variation
grapes 6558
kiwifruits 5529
soil aeration, apples 84
soil temperature
cabbages 2167
tomatoes 2167
zinc, apples 4686
nutrition
*Adiantum raddianum* 5055
apples 4684-4686, 5462
avocados 2491
broccoli 2109
cauliflowers 6627
celery 2178

**Boron** *cont.*
nutrition *cont.*
cocoa 9315
coffee 8264
cucumbers 4895
*Datura stramonium* 5186
grapes 2070-2071, 3338, 4798, 5596, 6559, 6561, 7422
guavas 8280
mandarins 1795
plums 8581, 8585
radishes 7571
*Rosa damascena* 2318
strawberries 5564
tomatoes 2909, 7761, 8893
*Vaccinium angustifolium* 137
requirements
analysis
*Elettaria cardamomum* 7956
hazelnuts 7290
okras 3470
pawpaws 1842
pears 4746
*Sechium edule* 3397
tomatoes 2907
responses
cucumbers 890
*Ficus retusa* 5090-5091
pears 4743
plums 4020
toxicity
broccoli 3382, 5688
celery 7810
*Hydrangea* 6845
lettuces 7810
peas 5802
*Pyrus pyrifolia* 5510
tomatoes 8893
translocation
apples 5470
broccoli 238
***Borreria latifolia,*** as weeds, ***Hevea*** 3887
***Borreria stricta,*** seeds, composition 555
***Boschniakia rossica,*** plant, composition 2351
***Boscia salicifolia,*** plant, composition 8005
***Boswellia neglecta,*** plant, composition 7969
***Boswellia sacra,*** plant, composition 1673
***Boswellia serrata,*** plant, composition 7971
***Botrychium,*** wild plants, edible species 5415
***Botryodiplodia theobromae***
apples 3963
avocados 2476
lemons 1807
***Botryosphaeria,*** kiwifruits 8596
***Botryosphaeria dothidea, Vaccinium corymbosum*** 4044
***Botryosphaeria obtusa***
apples 5426
*Malus orientalis* 5426
***Botrytis***
blackberries 2025
endives 5662
grapes 154, 4076, 7431, 8640
*Narcissus* 7870
onions 194
ornamental bulbs 4366
***Botrytis allii***
onions 188, 194, 1420, 2794
shallots 2794
***Botrytis cinerea***
apples 7242, 7273
boysenberries 5544
*Callistephus chinensis* 6007
*Capsicum* 9093
carrots 8930
cherries 1325
cucumbers 5734, 6652
endives 6613
feijoas 3858
grapes 151, 840, 1387, 1389-1390, 2772, 3328, 3340-3341, 4072, 4795, 5597, 5600-5603, 6545, 7404, 7418, 8629, 8641, 8657
lettuces 5675, 7713
pears 6500
*Phoenix canariensis* 7897
raspberries 129, 2711, 7347, 7350, 8601

***Botrytis cinerea*** *cont.*
roses 6097
strawberries 1325, 2037, 4056, 5911, 6397, 6531, 7242, 7359
tomatoes 5911, 6397, 6739
tulips 2958
*Vicia faba*, reviews 8792
***Botrytis fabae,*** *Vicia faba*, reviews 8792
***Bougainvillea,*** mutants, induction, gamma radiation 2985-2986
***Bougainvillea glabra,*** cultural methods, containers 1035
***Bougainvillea spectabilis***
plant extracts, application, *Phaseolus vulgaris* 7996
pollution, research 7149, 7938
***Bouteloua gracilis***
landscaping, assessment 2200
transpiration, measurement 6045
**Boysenberries**
diseases, *Botrytis cinerea* 5544
fruits
development
biochemistry 131
growth regulators 1365
fungicides, residues 5544
harvesting, techniques, mechanical harvesting 2029
surveys, Chile 3298
***Brachiaria,*** as weeds, vegetables 3352
***Brachiaria distachya,*** as weeds, lawns and turf 8988
***Brachionidium***
species
characteristics
Colombia 446
Ecuador 446
***Brachycaudus helichrysi,*** peaches 7306
***Brachycome multifida,*** reports, German Federal Republic 15
**Bran,** utilization, growing media, *Lentinula edodes* 2195
***Brassavola,*** taxonomy, keys 3611
***Brassavola cucullata,*** taxonomy, keys 3611
***Brassavola glauca,*** taxonomy, keys 3611
***Brassavola nodosa***
nectaries 6841
taxonomy, keys 3611
***Brassavola tuberculata,*** taxonomy, keys 3611
***Brassica*** (*see also* Broccoli; Brussels sprouts; Cabbages; Cauliflowers; Chinese cabbages; Kale; Kohlrabi; Swedes; Turnips)
cultivars, biochemistry 4146
diseases, *Alternaria brassicicola* 5689
frost, injuries 7151
pests
*Pieris rapae* 7553
*Plutella xylostella* 7553
plant, composition 4169
reports, UK 1893
seeds, treatment 5689
taxonomy, chemotaxonomy 4146
***Brassica campestris,*** leaves, composition 2086
***Brassica carinata***
cultural methods, Zambia 5677
photoperiodism 1678
plant, composition 5693
tissue culture, propagation, anthers 8719
***Brassica chinensis***
leaves, physiology 8672
nutrition, manures 4825
photosynthesis, physiology 8672
***Brassica juncea***
cultivars
characteristics
Hungary 3654
USSR 2787
nutrition 7952
nitrogen 9049
sulphur 6121
plant, composition 4146
seedlings, development, soil structure 6122
seeds
composition 1056
germination
inhibitors 7997
***Brassica juncea*** *cont.*
seeds *cont.*
germination *cont.*
light 881
storage, physiology 4167-4168
***Brassica napus,*** plant, composition 4146
***Brassica nigra***
diseases
*Alternaria* 1057
*Fusarium* 1057
*Rhizoctonia* 1057
seeds
composition 1056, 1696
treatment 1057
***Brassica oleracea***
nutrition, phosphorus 2796
pests, *Scutigerella immaculata* 4105
tissue culture, protoplasts 5682
***Brassica oleracea* var. *costata,*** cultural methods, Zambia 5677
**Brazil**
apples, cultivars 2620
cabbages, cultivars 4147
*Capsicum baccatum*, cultivars 2884
coffee
production 7152
rootstocks 3175
grapes
cultivars 837
cultural methods 833, 2049
production 2049, 7373
*Hevea*, cultivars 3183
horticultural crops, pests, control 5401
loquats, cultivars 3155
nectarines, cultivars 2670
onions, cultivars 4109
oranges, production 7152
peaches, cultivars 792, 2670
pears, cultivars 2688
peas, cultivars 5780
plums, cultivars 4018
*Simmondsia chinensis*, research 8129
stone fruits, cultivars 2670
sugarcane, cultivars 3187
tomatoes, cultivars 4300
**Brazil nuts**
nuts, composition 4605
reports, Berlin 2585
**Breadfruits**
flowers, composition 8028
seeds, composition 681
***Bremia lactucae,*** lettuces 4872, 5663, 6397
***Brevicoryne brassicae***
*Brassica* 2323
cabbages 8726-8727, 8731
cauliflowers 3380, 8718
Cruciferae 7527, 8731
***Brevipalpus,*** *Liriope muscari* 6795
***Brickellia,*** chromosomes 7825
***Briza media,*** landscaping, assessment 2200
**Broccoli**
cultivars
assessment
Bangladesh 1443
Japan 7535
Poland 2825
USA 6620
biochemistry 224, 2826
disorders 2109
mechanical harvesting 6621
physiology 237-238
processing 6620-6621
protected cultivation 230, 7539
sowing date 7535
yields 1443, 2825
diseases, *Plasmodiophora brassicae* 7551
disorders, hollow stem 2109, 3382
growing media, composition 4828
harvesting
seasons 7535
techniques
mechanical harvesting 6621
once over harvesting 6621
insecticides, residues 4651
irrigation
responses 5685
systems 5685
water, composition 372
mulching, responses 8728
**Broccoli** *cont.*
nutrients
absorption, assessment 2082
translocation 237-238
nutrition
boron 2109, 3382, 5688
iron 5857
nitrogen 233-234, 237-238, 2109, 4826, 5685, 5857, 7547
phosphorus 4826, 7547
potassium 4826, 5685
sulphur 5857
zinc 5857
pests, *Delia radicum* 8728
plant, composition 224, 3388, 4146
processing, cultivars 6620-6621
protected cultivation
cultivars 7539
irrigation 230
nutrition 7547
systems, plastic film 8728
temperature 230
reports
Cyprus 731
German Federal Republic 16, 3215
sap, composition 238
seedlings
planting, age 7539
production, growing media 860, 7541
seeds, sowing, sowing date 7539
spears
composition 1907, 2826
development, nutrition 5688
storage
diseases 6634
disorders 1407, 6634
precooling 7559-7560
systems
cold storage 3386
controlled atmosphere storage 885, 3386
weed control 8665
yields, correlation 233
**Bromides,** metabolism, nitrogen, lettuces 5668
**Bromine**
composition
horticultural crops 6582
melons 6650
watermelons 6650
metabolism, nitrogen, radishes 4173
toxicity, carnations 5976
translocation, tomatoes 4972
***Brosimopsis oblongifolia,*** roots, composition 3055
***Brucea antidysenterica,*** plant, composition 8031, 9126
***Brucea javanica,*** fruits, composition 6153, 8032
***Bruchus pisorum,*** peas 276
***Bruchus rufimanus,*** *Vicia faba* 8793
**Brussels sprouts**
cultivars
assessment, Denmark 1444
processing 4148-4149
spacing 2106
cultural methods, Mauritius 8671
diseases
*Alternaria brassicae* 4159
*Mycosphaerella brassicicola* 5690
*Pyrenopeziza brassicae* 4159
fungicides, disease resistance 5690
harvesting, techniques, mechanical harvesting 1453
herbicides, tolerance 231
nutrition
nitrogen 4158, 4826, 5684
phosphorus 4826
potassium 4826
pests
*Delia radicum* 8730
insects 8671
plant, composition 3388, 4146, 4169
planting, spacing 229, 2106
processing, cultivars 4148-4149
reports
Belgium 2105
Cyprus 731
seedlings, planting, seasons 229

**Brussels sprouts** *cont.*
seeds
dormancy, physiology 4875
germination, temperature 3377
sowing, sowing date 229
senescence 2085
sprouts, composition 8736
storage, physiology 2085
***Bryophyllum*** *(see also Kalanchoe)*
***Buchloe dactyloides,*** transpiration, measurement 6045
***Buckinghamia celsissima,*** cultural methods, Australia 5069
**Budding**
budwood
sources, cherries 6473
storage, almonds 4665
treatment, plums 116
cultural methods, *Hevea* 8321
rootstocks
cultural methods, mandarins 8173
treatment, olives 2536
seasons
avocados 1787
cherries 783
*Citrus* 2515
pawpaws 6318, 9374
persimmons 8224-8225
plums 116, 7327
techniques
apples 8457
avocados 1787
pawpaws 6318, 9374
persimmons 3862, 8224
plums 7327
***Buddleja asiatica,*** plant, composition 5154
***Buddleja davidii,*** planting stock, production, containers 2268
***Buddleja officinalis,*** plant, composition 2352
**Buds**
development
cultivars, grapes 2780
growth regulators
cherries 3269, 6473
mangoes 1222
peas 4268, 4930
roses 2993
histology
*Camellia* 5075
*Fuchsia magellanica* 1052
irrigation
*Amsonia tabernaemontana* 3720
grapes 4793
light, *Capsicum* 7727
nutrition, *Amsonia tabernaemontana* 3720
photoperiodism, *Capsicum* 7727
physiology, *Hippophae rhamnoides* 4065
pruning, grapes 7402
temperature
apples 72
*Cymbidium* 7911
tissue culture, cocoa 685
water relations, peas 4928
dormancy
biochemistry, apples 2637
cultural methods, grapes 854, 5587
cyanamide
grapes 1400, 7434
*Pyrus pyrifolia* 1347
woody plants 1904
fungicides, *Pyrus pyrifolia* 1347
growth regulators
apples 769, 773, 2637, 6436
grapes 4806, 6556
*Hevea* 8315
*Simmondsia chinensis* 8141
woody plants 1905
herbicides, apples 773
photoperiodism, grapes 4806
physiology
apples 769-770
woody plants 1904
reviews 1904
position, raspberries 3305
temperature
apricots 3995, 6471
grapes 155, 4806
nectarines 6493
**Buds** *cont.*
dormancy *cont.*
temperature *cont.*
plants 1902
temperate fruits 771
walnuts 771
urea ammonium nitrate, grapes 1400
water relations, coffee 8277
***Bulbophyllum gymnopus,*** plant, composition 2263
**Bulbs**
biochemistry
environment, onions 2800
X radiation, onions 1419
colour, biochemistry, hyacinths 462
development
cultivars, onions 196
histology, garlic 862
light, onions 199
photoperiodism, onions 196, 199, 3363
physiology, onions 195-197, 199
temperature
*Iris* 6804
*Narcissus* 6804
onions 196
tissue culture, ornamental bulbs 5028
dormancy, physiology, onions 2095
flavour, environment, onions 2800
mechanical properties, biochemistry, onions 201
production
cultural methods
hyacinths 5035, 6027, 8975
*Iris* 8978
*Lilium* 8981
*Lilium longiflorum* 7867
tulips 414, 1606, 2232, 5037, 6816, 7874
environment, *Narcissus pseudonarcissus* 7873
harvesting, tulips 2233
tissue culture, *Iris* 8977
quality
assessment
*Narcissus pseudonarcissus* 7873
onions 43
mulching, garlic 6584
nutrition, garlic 6584
sprouting
cultivars, *Lilium longiflorum* 7865
gamma radiation, onions 1418
growth regulators, onions 8692
temperature, onions 198
X radiation, onions 1419
storage
systems, tulips 1607
temperature
hyacinths 8975
*Iris* 6029
tulips 6816
treatment
cold
*Lilium regale* 1602
tulips 5039
fungicides
*Lilium longiflorum* 410
*Narcissus* 2955
tulips 1607, 2958
growth regulators
*Lilium longiflorum* 409-410
tulips 5038
heat, hyacinths 8975
trace elements, hyacinths 5035
**Bulgaria**
agriculture, bibliographies 1879
apples, pests, control 8496
apricots, cultivars 5481
cabbages, cultivars 7538
*Capsicum,* cultivars 292, 8853
carnations, cultivars 5952, 5970
cucumbers, cultivars 7742
grapes, cultivars 2753, 2756, 7377, 8629, 8631-8632
horticultural crops, cultural methods 8401
melons, cultivars 4176
nectarines, cultivars 97
nut crops, cultivars 8446
**Bulgaria** *cont.*
peaches
cultivars 97, 1985, 8534
diseases, control 8550
pests, control 8550
*Phaseolus vulgaris,* cultivars 2125, 2853, 7742
*Pleurotus ostreatus,* cultivars 8936
plums
diseases, control 8582
pests, control 8582
raspberries, cultivars 2713, 4040, 8600
strawberries, cultivars 7357
temperate fruits, cultivars 8446
tomatoes, cultivars 4303, 5876, 7742
vegetables
pests
biological control 181
integrated control 181
watermelons, cultivars 4176
***Bupleurum falcatum***
roots
composition 2353, 3730
histology 3730
tissue culture, biochemistry 5150
***Bupleurum multinerve,*** cultural methods, USSR 1111
**Burkina Faso,** cashews, economics 4570
***Butea monosperma***
plant, composition 6922, 9100
seeds, composition 2354
***Buxus***
plant, composition 39
planting stock, production, containers 6071
weed control 6071
***Buxus microphylla***
cuttings, rooting, growing media 3615
water relations, temperature 2280
***Buxus papillosa,*** leaves, composition 2355, 6923, 9127-9128
***Buxus sempervirens***
cuttings, treatment 6069
herbicides, injuries 9030
leaves
composition 3640, 9129
physiology 5073
plant, composition 3731, 8033
planting stock, production, containers 6842
weed control 9030
***Byrsonima crassifolia,*** plant, morphology 1242
**Cabbages**
cultivars
assessment
Australia 3374
Belgium 7532
Brazil 4147
Netherlands 7528, 7531
USSR 5616, 7537
biochemistry 4150
characteristics, Bulgaria 7538
diseases 4147, 7538, 8717
mechanical harvesting 2824
nutrition 6628
pests 7527
processing 225, 7537
propagation 5695
protected cultivation 7531
spacing 7529
storage 4151
cultural methods, minimum tillage 1448
diseases
*Alternaria brassicicola* 5700
*Fusarium oxysporum* f.sp. *conglutinans* 7550, 8723
*Plasmodiophora brassicae* 4878, 7551
*Xanthomonas campestris* pv. *campestris* 1449
frost, injuries 7555
growth regulators
chlormequat, responses 8721
GA, responses 8721
harvesting
harvesting date, physiology 7562
techniques, mechanical harvesting 2824, 8735

**Cabbages** *cont.*
herbicides
injuries 882, 1447, 2830, 4163
responses 176
tolerance 231
insecticides, residues 3934, 4651, 7554, 8733
intercropping
*Atriplex hortensis* 4155
*Beta vulgaris* var. *benghalensis* 4155
kohlrabi 4155
radishes 4155
*Trigonella foenum-graecum* 4155
irrigation
requirements, determination 8720
responses 4162, 5685, 7545
systems 5685
water, treatment 4878
leaves
composition 1907, 1912, 4876, 5694, 7564, 8734
histology 4151
physiology 7555
quality, assessment 43
mulching, materials 1449
nutrients
absorption
assessment 2082
soil temperature 2167
nutrition
magnesium 4879
manures 7546
nitrogen 3376, 4158, 4826, 4879, 5685, 6625-6626, 6628, 7546, 7562, 8722
phosphorus 4826, 4879, 5626, 7546, 8722
potassium 235, 4826, 4879, 5626, 5685, 7455, 7546
sodium 235
pests
*Brevicoryne brassicae* 2323, 8727, 8731
*Crocidolomia binotalis* 6632
*Delia radicum* 7802
*Eurydema* 8731
insects 8726
*Pieris rapae* 4879
*Plutella xylostella* 236, 883, 4879-4881, 6632
*Spodoptera exigua* 883
*Trichoplusia ni* 883, 4879
plant, composition 240, 3376, 3388, 7562-7563
planting
seasons 5696-5697
spacing 4879, 7529, 7542, 8722
planting stock, overwintering 5680
processing, cultivars 225, 7537
production, USSR 4815
protected cultivation
rotations 964
systems
plastic film 2828-2829
plastic tunnels 2829
reports
Colombia 3213
German Federal Republic 14, 17, 732
salinity, responses 4098
seedlings
development
biochemistry 4098
soil temperature 2167
planting
age 7542
seasons 6622
production
containers 5679
protected cultivation 987, 5680
storage 6622
treatment 1452
seeds
dormancy, physiology 4875
germination
biochemistry 8662
salinity 8662
temperature 3377

**Cabbages** *cont.*
seeds *cont.*
production, cultural methods 1451-1452, 4163-4165, 4882, 5696-5697
quality, assessment 5617
sowing, sowing date 5696-5697, 6622
treatment 880, 3376, 4152, 5700
viability, tests 4817
soil amendments 4876, 7447, 7453, 7550
soil compaction, responses 5624
soil fumigation 4152
soil temperature, responses 2167
soil water, responses 3376
statistical methods, experimental design 6380, 7526
storage
cultivars 4151
diseases 6634
disorders 1407, 6634
economics 6633
quality, nutrition 6625
systems, controlled atmosphere storage 1266, 6633
tissue culture
embryogenesis 5681
histology 1450
propagation
anthers 5681
techniques 5695
transpiration, measurement 8720
transport, systems, assessment 8735
weed control 176, 232, 882, 1447, 3352, 4157, 4163-4165, 5683
**Cacao** (*see* Cocoa)
**Cacao swollen shoot virus,** cocoa 6297, 8254
***Cacoecimorpha pronubana***
*Gerbera* 8957
roses 8957
***Cadaba farinosa,*** plant, composition 8049
**Cadmium**
absorption
*Brassica* 4876
*Capsicum* 7748
cucumbers 6649
*Pleurotus sajor-caju* 5938
tomatoes 6733, 7748
vegetables 242, 4100
composition
apples 6433-6434
fungi 2184
*Nerium oleander* 3003
oranges 6248
tea 721
vegetables 4825
responses
radishes 243
tomatoes 2922
toxicity
*Adhatoda vasica* 9111
garlic 8677
grapes 851
okras 6700
*Phaseolus vulgaris* 4903, 7621
***Caesalpinia decapetala,*** plant, composition 3056
***Caesalpinia sappan,*** plant, composition 2356-2357, 3057-3058
**Caesium**
composition, horticultural crops 1240
metabolism, potassium, tomatoes 341
**Calabrese** (*see* Broccoli)
***Caladenia,*** mycorrhizas 9017
***Caladium,*** leaves, morphology 427
***Calamagrostis,*** taxonomy, chemotaxonomy 1896
***Calamintha hortensis*** (*see Satureja hortensis)*
***Calamintha nepeta,*** plant, composition 1674, 1716
***Calamintha sylvatica,*** plant, composition 3712
**Calamondins**
cultural methods, pot plants 3590
fruits, composition 5279
leaves, physiology 7029
plant, composition 38, 6257
water relations, measurement 7029

***Calanthe vestita,*** plant, development, morphology 6834
***Calathea,*** plant, development, temperature 2970
***Calathea argentea,*** diseases, *Cochliobolus setariae* 2972
***Calathea lancifolia,*** diseases, *Cochliobolus setariae* 2972
***Calathea louisae,*** diseases, *Cochliobolus setariae* 2972
***Calathea makoyana***
cultural methods, pot plants 8997
diseases, *Cochliobolus setariae* 2972
***Calathea roseopicta,*** diseases, *Cochliobolus setariae* 2972
***Calceolaria hypericina,*** plant, composition 4479
**Calcium**
absorption
beetroots 2801-2802
*Capsicum* 306
cocoa 9323
dates 660
grapes 158, 7414, 7419
kiwifruits 2021
passion fruits 674
peaches 4732
*Phaseolus vulgaris* 910-911
plums 117
strawberries 2736
tomatoes 1534, 2923, 3504
*Ziziphus mauritiana* 5354
application, apples 3262, 6463
biochemistry, spinach 4853
composition
*Amaranthus tristis* 3181
apples 1948, 3977, 6440
*Asparagus* 3468
*Auricularia polytricha* 364
*Baccaurea sapida* 4604
bananas 682
*Boletus tropicus* 2190
Brussels sprouts 4148
*Bupleurum falcatum* 2353
*Capparis decidua* 1821
*Capsicum* 2888
carrots 4978
cauliflowers 5686, 6624
chicory 6612
cocoa 4576
coffee 7076
*Flacourtia jangomas* 4604
fruit crops 5414
fungi 1555
grapes 2081, 2785
guavas 8279
lettuces 5670
*Macadamia* 9283
mangoes 5315
melons 6650
oil palms 3179
pawpaws 3181
peaches 8546
*Phaseolus vulgaris* 5748
plums 8572
*Suillus granulatus* 2190
tomatoes 2170, 4331, 8887
watermelons 6650
*Ziziphus mauritiana* 8364
deficiency
apples 8478
cashews 3871
chicory 6609
coffee 3878
cucumbers 894, 5724
horticultural crops 5400
*Hydrangea* 6845
lettuces 5671
pawpaws 1842
peas 930
*Phaseolus vulgaris* 6675
tomatoes 335, 4963
determination
apples 5456, 7272
greenhouse crops 328
*Mentha piperita* 2314
fertilizers
assessment
avocados 2473
grapes 7423
oranges 6254

**Calcium** *cont.*
fertilizers *cont.*
assessment *cont.*
peaches 4008
pecans 4015
metabolism
age
*Capsicum* 299
kiwifruits 2021
ammonium, chrysanthemums 6778
biochemistry
lettuces 4145
peas 4919
spinach 7501
boron
apples 5462
tomatoes 5903
cadmium, cucumbers 6649
cultivars
grapes 7412
okras 285
tomatoes 4316
defoliation, apples 5451
disorders
grapes 6564
peaches 2677
tomatoes 336
tulips 2957
drought, okras 285
flooding, pecans 7319
fruiting
*Litchi* 8212
loquats 7039
geotropism, peas 3459
germination, *Euphorbia lathyris* 1783
growth regulators
apples 3246, 4682, 7233
mangoes 9359
peaches 1336
pumpkins 5730
tomatoes 2921
herbicides, plums 8579
humidity, tomatoes 2940
irregular bearing, mandarins 1203
lead, cucumbers 6649
light
peas 4257
tomatoes 7764
magnesium, blackberries 128
manganese
*Phaseolus vulgaris* 265
tomatoes 5903
molybdenum, tomatoes 7783
mulching, tomatoes 6727
mycorrhizas
coffee 7071
*Rosa multiflora* 4423
nitrogen
blackberries 128
*Capsicum* 305
celery 7809
cucumbers 8752
*Phaseolus vulgaris* 5897
plums 8579
tea 8355
tomatoes 5897
tung 6278
*Vaccinium corymbosum* 2034
nutrition
peas 4918
*Peperomia obtusifolia* 3600
*Schefflera* 2967
phosphorus
apples 1945, 8481
celery 7809
*Phaseolus vulgaris* 5897
tomatoes 5897
physiology
apples 6461
broccoli 237
kale 884
*Lilium speciosum* 3570
oranges 1802
pineapples 707
plants 5410
pollution, *Phaseolus vulgaris* 909
potassium
blackberries 128
*Capsicum* 305
carrots 3509

**Calcium** *cont.*
metabolism *cont.*
potassium *cont.*
grapes 7386
*Phaseolus vulgaris* 5897
tomatoes 5897
pruning, tomatoes 6727
ripening
boysenberries 131
feijoas 3857
rootstock scion relationships, apples 5438, 5462
salinity
coconuts 9337
grapes 6562
tomatoes 969, 3496
vegetables 2914
seasonal variation
cherries 90
grapes 6558, 7415
kiwifruits 5529
*Menyanthes trifoliata* 6206
peaches 6491
pears 107
tea 4599
tomatoes 329
senescence, carnations 2205
sodium, Chinese cabbages 2832
soil aeration, apples 84
soilless culture, lettuces 219
storage, apples 83
temperature
*Dieffenbachia maculata* 1027
tomatoes 2166
titanium, tomatoes 6734
nutrition
*Adiantum raddianum* 5055
apples 3977, 5461-5462, 7234
aubergines 6713
blackberries 128
*Calendula officinalis* 6925
*Capsicum* 6708
*Catharanthus roseus* 1690
cauliflowers 5686
Chinese cabbages 7548
cocoa 9321
coffee 3174
cucumbers 3495, 7767
*Daphne cneorum* 1050
*Daphne mezereum* 1050
grapes 5594-5595, 7440
guavas 4584, 5310
horticultural crops 5400
*Hyoscyamus niger* 1690
jackfruits 7056
mandarins 8176
melons 1471, 4185, 4896, 5891
*Papaver somniferum* 1690
pawpaws 1842
peaches 798
pineapples 2562
*Piper nigrum* 3009
plums 8581, 8585
pumpkins 5730
radishes 5699
*Rhododendron* 5547
satsumas 1197, 3145
strawberries 4771
sugarcane 7102
tomatoes 3495, 4964, 5891, 6729, 7761, 7766-7767
*Vaccinium* 4048, 5547
*Vaccinium angustifolium* 137
woody plants 7916
physiology
plants 4655
reviews 2604
requirements
analysis
avocados 642
*Capsicum* 301-302, 307
coffee 6281
*Elettaria cardamomum* 7956
*Eustoma grandiflorum* 6011
grapes 6557
hazelnuts 7290
*Hevea* 6281
limes 9254
*Macadamia* 4556
mangoes 8290
okras 3470

**Calcium** *cont.*
requirements *cont.*
analysis *cont.*
pawpaws 1842
pears 4746
peas 273
*Phaseolus vulgaris* 264
plums 5522
satsumas 5270
*Sechium edule* 3397
tea 6281
*Tilia platyphyllos* 3652
tomatoes 2907, 4962
*Vaccinium corymbosum* 5548
responses
apples 71, 6459
chicory 6609
cucumbers 4897, 5729
endives 5662
grapes 2074
peaches 2677
tomatoes 335
*Vicia faba* 5774
toxicity, grapes 4801
translocation
apples 5470
broccoli 238
coffee 8277
guavas 2555
kiwifruits 5533
lettuces 7521
*Phaseolus vulgaris* 268
tomatoes 1541, 4972
**Calcium nitrate,** toxicity, apples 5466
***Caldcluvia paniculosa,*** cultural methods, Australia 5069
***Calea zacatechichi,*** plant, composition 1717
***Calendula***
cut flowers, production, cultural methods 3536
plant, composition 5153
***Calendula arvensis,*** plant, composition 8034-8035
***Calendula officinalis***
cultural methods, pot plants 397
cut flowers, production, protected cultivation 393
flowers
composition 556
development, growth regulators 6785
inflorescences, composition 3732
nutrition
calcium 6925
magnesium 6925
nitrogen 6925
phosphorus 6925
potassium 6925
plant, composition 5167, 6924-6925
planting, spacing 6924
seedlings, production, cultural methods 8963
seeds, composition 2946
***Calepitrimerus vitis,*** grapes 6567, 8644
***Calla palustris,*** rhizomes, composition 1269
***Calliandra calothyrsus***
as support trees, *Phaseolus vulgaris* 6670
utilization, shade plants, *Phaseolus vulgaris* 6670
***Calliandra portoricensis***
leaves, composition 4480
plant, composition 5168
***Callicarpa bodinieri,*** fruits, composition 5169
***Callicarpa dichotoma,*** fruits, composition 5169
***Callicoma serratifolia,*** cultural methods, Australia 5069
***Callistephus,*** flowers, colour, biochemistry 5019
***Callistephus chinensis***
diseases, fungi 6007
flowers, colour, biochemistry 5019
reports, German Federal Republic 15
seedlings, production, cultural methods 8963
seeds, treatment 6007

***Calluna,*** reports, German Federal Republic 3216
***Calluna vulgaris,*** plant, composition 1692
**Calmodulin,** metabolism, physiology, plants 5410
***Calocarpum*** (*see also Pouteria)*
***Calocoris norvegicus,*** kiwifruits 3299
***Calonectria rigidiuscula,*** avocados 2476
***Calophyllum inophyllum,*** seeds, composition 527, 6891
***Calophyllum recedens,*** plant, composition 527
***Calophyllum soulattri,*** plant, composition 3733
***Calophyllum verticillatum,*** plant, composition 527
***Calopogonium caeruleum,*** as weeds, *Hevea* 8314
***Calopogonium mucunoides***
  as green manures
    *Areca* 9305
    coconuts 8260
***Calotropis gigantea***
  plant, composition 3734, 5382, 6891, 9130
  tissue culture, biochemistry 9130
***Calotropis procera***
  flowers, composition 5170
  plant, composition 9130
  plant extracts, application, aubergines 3699
  products, enzymes 1188
  tissue culture, biochemistry 9130
***Caltha palustris,*** roots, composition 8036
***Calvatia gigantea,*** spores, morphology 2191
***Calypso bulbosa,*** mycorrhizas 9019
***Camassia,*** cultivars, assessment, Czechoslovakia 2221
***Camellia*** (*see also* Tea)
  breeding
    biochemistry 9032
    genetics 9032
    interspecific hybridization 3621
  cold, resistance, cultivars 9031
  cultivars, winter hardiness 9031
  diseases, *Glomerella cingulata* 1633, 9034
  flowers, colour, breeding 6076, 9032
  fungicides, disease resistance 9034
  grafting, scions, treatment 1633
  pests, *Oligonychus ilicis* 9040
  seedlings, selection 6076
  species
    diseases 1632
    winter hardiness 9031
  tissue culture, propagation, micropropagation 3622
***Camellia albovillosa,*** chromosomes 6075
***Camellia chrysantha***
  breeding, interspecific hybridization 6076
  flowers, colour, biochemistry 9035
  tissue culture, propagation, techniques 6079
***Camellia euphlebia,*** tissue culture, propagation, techniques 6079
***Camellia hiemalis,*** flowers, colour, biochemistry 462
***Camellia japonica***
  buds, development, histology 5075
  flowers
    colour, biochemistry 462
    initiation, histology 5075
  grafting
    scions, assessment 6077
    techniques, seedlings 6077
  leaves, composition 2987
  tissue culture, propagation, callus 6078
***Camellia japonica* × *Camellia chrysantha,*** tissue culture, propagation, embryos 3621
***Camellia mairei,*** chromosomes 6075
***Camellia micrantha,*** tissue culture, propagation, techniques 6079
***Camellia pingguoensis,*** tissue culture, propagation, techniques 6079
***Camellia pitardii***
  breeding, interspecific hybridization 6076
  chromosomes 6075
***Camellia pitardii*** *cont.*
  cultivars, chromosomes 6075
***Camellia ptilosperma,*** tissue culture, propagation, techniques 6079
***Camellia pubipetala,*** tissue culture, propagation, techniques 6079
***Camellia reticulata***
  breeding, interspecific hybridization 6076
  chromosomes 6075
  cultivars, chromosomes 6075
  ecology, China 9033
  products, oils 9033
***Camellia saluenensis,*** chromosomes 6075
***Camellia sasanqua***
  as rootstocks
    *Camellia* 1632
    *Camellia japonica* 6077
  breeding, genetic variance 7921
  buds, development, histology 5075
  flowers
    colour, biochemistry 462
    initiation, histology 5075
  wild plants, surveys, Japan 7921
***Camellia tunghinensis,*** tissue culture, propagation, techniques 6079
***Camellia williamsii,*** growth retardation, growth regulators 6080
**Cameroon,** oil palms, research 3883
***Campanula carpatica,*** cultural methods, pot plants 5943, 6008
***Campanula glomerata***
  flowers, development, photoperiodism 6784
  utilization, lawns and turf 418
***Campanula isophylla***
  cultural methods, pot plants 5943
  cuttings, sources, cultural methods 1255
***Campanula maleevii,*** plant, composition 8037
***Campanula poscharskyana,*** cultural methods, pot plants 6009, 6789
**Camphor** (*see Cinnamomum camphora)*
***Campnosperma auriculata,*** as weeds, oil palms 5325
***Campsis grandiflora,*** fruits, set, growth regulators 2281
**Canada**
  apples
    cultivars 1283
    diseases, control, reviews 1949
    pests, control, reviews 1949
  apricots, cultivars 1966
  blackberries, cultivars 127
  cut flowers, marketing 7833
  cut foliage, marketing 7833
  *Forsythia,* cultivars 484
  horticultural crops, cultivars 7145
  *Philadelphus virginalis,* cultivars 490
  plums, cultivars 4019
  pot plants, marketing 7833
  raspberries, cultivars 7347
  strawberries, cultivars 1372
***Cananga odorata,*** flowers, composition 3674, 9069
***Canarium,*** products, resins 1093
***Canella winterana,*** plant, composition 5171
***Canna***
  cultivars, assessment, USSR 6037
  seeds, morphology 5041
***Canna indica***
  cultivars, diseases 4370
  diseases, *Alternaria alternata* 4370
***Cannabis sativa***
  plant, composition 6177, 6891
  seedlings, development, biochemistry 6177
***Cantharellus cibarius,*** ecology, USSR 1556
**Cape gooseberry** (*see Physalis peruviana)*
***Capillipedium foetidum,*** plant, composition 5154
***Capparis decidua,*** fruits, composition 1821
***Capparis sepiaria,*** roots, composition 1696
***Capsella bursa-pastoris***
  as weeds
    cabbages 1447
    *Gladiolus* 1600
    *Sorbus aucuparia* 4441
***Capsella bursa-pastoris*** *cont.*
  as weeds *cont.*
    strawberries 4776
  plant, composition 1700
***Capsicum***
  chromosomes 293
  cultivars
    assessment
      Bulgaria 8853
      India 7710-7711, 8850-8852
      USSR 4281
    biochemistry 289, 4280, 7443
    characteristics
      Bulgaria 292
      Guam 7712
      Hungary 4283
      India 290
      Poland 289
      Romania 7713
      Spain 291
      USSR 2149, 2787, 4284
    diseases 291, 5847-5849, 6709, 7709-7710, 8847-8849
    growth regulators 5853
    identification 2883
    mechanical harvesting 7713
    nutrition 306
    processing 2149, 7713, 8852
    protected cultivation 4281-4283
    water relations 5850
    yields 297, 2882, 7710, 8852
  cultural methods
    containers 6527
    Mauritius 7140
    pot plants 5947
    USA 7574
  diseases
    basal necrosis 6709
    *Botrytis cinerea* 9093
    *Capsicum* mosaic virus 4289, 4937
    *Cladosporium* 6712
    *Colletotrichum capsici* 1520
    cucumber mosaic virus 2154
    *Erwinia carotovora* subsp. *carotovora* 2155
    fungi 3482
    *Fusarium* 5856
    *Fusarium equiseti* 6712
    *Fusarium oxysporum* 6712
    *Fusarium oxysporum* var. *redolens* 4291
    *Gloeosporium piperatum* 8859
    leaf curl virus 5858
    *Leveillula taurica* 5859
    *Phytophthora capsici* 1521, 8859
    *Pythium* 5856
    *Rhizopus stolonifer* 6712
    tobacco mosaic virus 4290
    *Verticillium albo-atrum* 6710
  disorders
    blossom-end rot 4938
    fruit speckling 4938
  drought, resistance, cultivars 5850
  drying, equipment 7193
  flooding 7726
  flowers
    drop, growth regulators 5852
    sex, growth regulators 8861
  frost, injuries 7151
  fruits
    areas, assessment 8860
    colour, assessment 310
    composition 309, 2156, 2888, 2891-2892, 3735, 4280, 4830, 7443
    mechanical properties
      assessment 1523
      storage 2890, 7730
    physiology 4656, 4658
    ripening
      biochemistry 5861
      growth regulators 2889
      physiology 4940
    set, pruning 296
    size, measurement 8860
    spectral data 8436-8437
  fungicides
    residues 5859, 8425
    tolerance 1521
  growth regulators
    chlormequat, responses 5852
    ethephon, responses 2889, 5853

***Capsicum** cont.*
- growth regulators *cont.*
  - ethylene, injuries 4631
  - GA, responses 5852, 7719
  - IAA, responses 7719
  - kinetin, responses 7719
- handling
  - injuries 1522
  - techniques 4293
- harvesting
  - injuries 7729
  - techniques, mechanical harvesting 3484, 4293, 7729
  - work studies 3484
- herbicides
  - injuries 177, 2151, 4939
  - tolerance 5882
- insecticides, residues 3934, 7724
- intercropping
  - pineapples 704
  - soyabeans 294
- irrigation
  - fertilizers, application 304
  - requirements, determination 951, 2153, 3480, 8857
  - responses 295, 2152, 8857
  - systems 8857
  - water, composition 372
- leaves
  - composition 299-303
  - development, nutrition 304
  - spectral data 8436-8437
- marketing, Europe 7138
- mulching, responses 4310, 8857
- mycorrhizas 5855-5856, 7720
- nutrients, requirements, analysis 299-303
- nutrition
  - calcium 307
  - nitrogen 295, 305-306, 952, 2152, 2887, 3480-3481, 3483, 4288, 4826, 6707-6708, 7454, 7719, 7721-7722, 8856, 8858
  - phosphorus 3480-3481, 3483, 4288, 4826, 5855-5856, 6707-6708, 7454, 7719-7720, 8858
  - potassium 305-307, 3480-3481, 3483, 4289, 4826, 6707-6708, 7454, 7719
  - sulphur 5857
- pests
  - Acari 7140
  - Aleyrodidae 308
  - Aphididae 8859
  - *Aphis gossypii* 5858
  - biological control, USSR 182
  - control, India 1520
  - *Helicoverpa assulta* 8859
  - *Myzus persicae* 953
  - *Polyphagotarsonemus latus* 5858
  - *Scirtothrips dorsalis* 5858
  - *Scutigerella immaculata* 4105
  - Tephritidae 7140
  - Tetranychidae 181
  - Thripidae 308
- photoperiodism 7727
- photosynthesis
  - carbon dioxide 4941
  - flooding 7726
  - oxygen 4941
- plant
  - biochemistry, growth regulators 2150
  - composition 2888
  - development
    - bacteria 4824
    - biochemistry 2888
    - light 2887
  - morphology 7725
- planting
  - depth 7717
  - seasons 8851
  - spacing 7721, 8855
  - systems 8856
- pollution
  - acids 7153
  - cadmium 7748
  - ozone 7153
- processing, cultivars 291-292, 2149, 7713, 8852

***Capsicum** cont.*
- protected cultivation
  - carbon dioxide 4103
  - cultivars 289, 4281-4283
  - cultural methods 7718
  - diseases 5859-5860, 5947, 7717
  - growing media 298
  - humidity 4938
  - irrigation 304, 2153
  - light 7727
  - mulching 5860
  - nutrition 299-305, 307, 7454
  - pruning 296-297, 950
  - rotations 4282, 6527
  - soil fumigation 6582
  - sowing date 6702
  - spacing 950, 7716
  - systems
    - greenhouses 6390
    - plastic film 6400
  - temperature 5860
  - training 297
- reports
  - Colombia 3213
  - German Federal Republic 16
- rhizosphere, microorganisms 4824
- rotations 4282
- salinity, responses 7723
- seedlings
  - planting
    - age 6705
    - mechanical methods 7446
    - size 4285
  - production
    - cultural methods 3477, 6703
    - growing media 6703
    - protected cultivation 987, 6702
  - treatment 4286
    - growth regulators 2150
- seeds
  - composition 6159
  - germination, temperature 3476
  - production, harvesting 6711, 7728
  - quality
    - assessment 5617
    - soil water 7726
  - sowing
    - sowing date 4285, 6527, 6702
    - spacing 950
    - techniques 6706, 7714
  - storage
    - duration 6711
    - humidity 293
    - physiology 4816
    - temperature 293
  - treatment 2116, 2155, 3474-3477, 3482, 4290, 4819, 4937, 7444, 7714, 8854
  - viability, tests 5851
- soil fumigation 5856
- soil temperature, responses 5860
- soil water, responses 3483
- soilless culture
  - economics 8667
  - growing media 6527, 7716, 8943
  - nutrient solutions
    - composition 2165, 5854
    - pH 5854
    - salinity 4938
  - nutrition 5854, 7719-7720
  - systems, assessment 8667
- storage
  - diseases 1522, 6712, 7731
  - disorders 1407, 1522
  - systems
    - cold storage 2890, 7730
    - controlled atmosphere storage 4942
  - temperature 7731
  - treatment 4942, 6712, 8425
- tissue culture
  - metabolites, production 2886
  - propagation
    - micropropagation 2885, 7715
    - protoplasts 6704
- water relations
  - growth regulators 4286
  - intercropping 294
  - physiology 4292
- weed control 176-177, 2151, 3478-3479, 4287, 4310, 4939, 5882

***Capsicum** cont.*
- yields, correlation 4285

***Capsicum baccatum*, cultivars, characteristics, Brazil 2884**

***Capsicum chinense*, cultivars, diseases 5847**

***Capsicum* mosaic virus, *Capsicum* 4289, 4937**

***Caragana frutex*, plant, composition 1112**

***Carapa procera*, plant, composition 3706, 6154**

**Caraway** (*see Carum carvi*)

**Carbohydrates**
- absorption, tomatoes 7767
- characterization
  - *Aster tataricus* 1090
  - *Atractylodes lancea* 1090
  - *Atractylodes ovata* 1090
  - *Dipsacus asper* 1090
  - *Liriodendron tulipifera* 5096
  - *Saussurea lappa* 1090
  - *Taraxacum* 1090
- composition
  - *Capparis decidua* 1821
  - chicory 872
  - *Diploknema butyracea* 4530
  - *Ilex* 2392
  - Jerusalem artichokes 872
  - *Opuntia* 5290
  - *Terfezia claveryi* 5939
  - *Thymus* 3662
  - *Tirmania* 5939
- metabolism
  - chromium, *Datura stramonium* 5185
  - fruiting
    - cherries 2661
    - loquats 7039
    - strawberries 2043
  - germination, oil palms 5324
  - growth, *Bletilla striata* 3606
  - growth regulators
    - apples 3254, 4682
    - *Phaseolus vulgaris* 2861
  - light
    - cocoa 9330
    - radishes 7567
  - nutrition, grapes 5596
  - physiology, pineapples 707
  - potassium, tea 9403
  - pruning, peaches 8544
  - respiration, tomatoes 8904
  - ripening
    - guavas 5311
    - melons 2123
  - rooting
    - apples 5442
    - conifers 464
  - rootstock scion relationships
    - *Citrus* 644-645
    - grapes 6542
  - seasonal variation, grapes 6542
  - storage
    - *Lentinula edodes* 8935
    - *Pleurotus ostreatus* 7821
  - temperature, radishes 7567
  - tissue culture
    - grapes 7390
    - pome fruits 1345
- translocation
  - celery 3512
  - pecans 814

**Carbon**
- metabolism
  - growth
    - peas 2918
    - tomatoes 2918

**Carbon dioxide**
- control, equipment, greenhouses 7159
- determination
  - apples 1304
  - plants 5393
- fixation, *Vicia faba* 7649
- metabolism, packing, persimmons 3160
- production
  - equipment, greenhouses 34, 2600, 5395, 6392, 7158, 7161
  - measurement, greenhouses 7160
- responses
  - apples 81, 85, 3263
  - *Arbutus unedo* 1049

**Carbon dioxide** *cont.*
responses *cont.*
avocados 3263
*Brassica carinata* 1678
*Capsicum* 4941
*Cattleya guatemalensis* 3610
celery 977, 1551, 7809
chrysanthemums 1570
citranges 1193
cucumbers 895, 3402, 3929, 4632, 5732, 6644, 7609
*Cucurbita pepo* 2124
*Digitalis lanata* 572
fennel 1551
greenhouse crops 31, 4319, 5390
*Kalanchoe* 6829
lettuces 7522
*Lilium* 2953
oranges 3143
ornamental plants 1579, 5943
*Parthenium argentatum* 3824
peas 4254
*Perilla frutescens* 1678
persimmons 3863
*Petunia* 3610
*Phaseolus vulgaris* 5760
plants 7191, 8668
poinsettias 1636
*Rhododendron* 2990
roses 5732
sour oranges 3142
spinach 1049
strawberries 141
tomatoes 338, 340, 1535, 3500, 5905-5906, 6746, 7751
vegetables 3351, 4099, 4103
*Vicia faba* 2135, 3425, 7648
toxicity
greenhouse crops 4319, 4631
lettuces 7524
vegetables 4103
**Carbon monoxide**
monitoring, greenhouses 7158
responses
*Syzygium cumini* 3224
tamarinds 3224
***Cardamine hirsuta,*** as weeds, container grown plants 6072
**Cardamoms** (*see Elettaria cardamomum)*
**Cardenolides**
characterization, *Cerbera* 2362
composition
*Calluna vulgaris* 1692
*Calotropis* 9130
*Cerbera* 5176
*Erysimum allionii* 1685
*Erysimum pulchellum* 3753
pears 1692
*Scilla* 1692
determination, *Calotropis gigantea* 3734
metabolism
carbon dioxide, *Digitalis lanata* 572
drought, *Digitalis lanata* 572
tissue culture, *Coronilla varia* 5181
production
tissue culture
*Asclepias curassavica* 9120
*Digitalis lanata* 573, 8052
*Thevetia peruviana* 9120
***Cardiocrinum cordatum,*** flowers, composition 6926
***Cardiospermum halicacabum,*** plant, composition 3059
***Carduus benedictus*** (*see Cnicus benedictus)*
***Carduus nutans,*** leaves, composition 9131
***Carex fedia,*** seeds, composition 3120
***Carex montana,*** landscaping, assessment 2200
***Carex morrowii,*** landscaping, assessment 2200
***Carex pendula,*** landscaping, assessment 2200
***Careya arborea***
flowers, composition 3060
plant, morphology 3060
***Carica*** (*see also* Pawpaws)
***Carica pentagona,*** cultural methods, Italy 2587
***Carica pubescens,*** fruits, aroma, biochemistry 4606
**Carnations** 5969
breeding
genetic variance 5967
techniques 5966
tissue culture 374
conferences 5373
cultivars
assessment
Bulgaria 5970
Netherlands 5972
Portugal 5958
characteristics, Bulgaria 5952
cut flowers 5952, 5970-5971
diseases 5952, 5968-5970, 5972, 5978
dwarf cultivars 5960
flowering 5980
flowering date 5973
identification 5962-5965
legislation 5962, 5972
mutants 5963
pot plants 5952, 5960
cultural methods
Netherlands 5957
pot plants 5960
cut flowers
physiology 379, 5984-5985
reviews 5983
preservatives 376
production 5951
Australia 5961
Colombia 5953
cultural methods 3536, 5002, 5954, 5957, 5975, 5982
France 5971
Kenya 5955
protected cultivation 5954-5955, 5957, 5961
Turkey 5959
senescence 376, 378, 989-991, 1900, 2204-2206, 2279, 8951
vase life 3542, 5985-5986
cuttings
rooting, growing media 2202
sources, cultural methods 5974
diseases
*Erwinia chrysanthemi* pv. *dianthicola* 6772
*Fusarium oxysporum* f.sp. *dianthi* 3540, 5953, 5977-5978
*Phialophora cinerescens* 5953
*Pseudomonas caryophylli* 6772
*Pseudomonas woodsii* 6772
*Uromyces dianthi* 4350
flowers
colour
biochemistry 5963, 5965
breeding 5967
mutants 5963
development
light 5973
photoperiodism 5980-5981
initiation, photoperiodism 5979
senescence 6775
fungicides, disease resistance 4350
growth regulators
aminocyclopropane carboxylic acid, determination 3826
aminooxyacetic acid, responses 5985-5986
ethylene
injuries 4631
metabolism 376
kinetin, responses 5985
PBA, responses 5974
leaves
composition 5003
development, propagation 375
mutants, induction, tissue culture 374
nutrition
nitrogen 5003, 5954
phosphorus 5003, 5954
potassium 5003, 5954
photoperiodism 5979
pinching
responses 5979
systems, assessment 5002
plant
composition 4352, 5408
**Carnations** *cont.*
plant *cont.*
development
bromine 5976
light 32
morphology 5967
planting, spacing 5002
planting stock, quality, assessment 5956
protected cultivation, light 5973, 5980-5982
reports, Cyprus 731
research, Chile 2581
soil fumigation 5977
soilless culture, growing media 8943
tissue culture
biochemistry 377
physiology 3541
propagation
micropropagation 2203, 5001
ovules 5966
responses 375
storage 5962, 6774
***Carnegiea gigantea,*** pollen, composition 7053
**Carobs**
plant residues, utilization, growing media 6048
processing, residues 6048
production, Italy, reviews 6242
reports, Berlin 2585
**Carotenes**
composition
*Amaranthus tristis* 3181
beetroots 7797
*Capsicum* 2891
carrots 356-357, 7797
*Codonopsis clematidea* 1725
grapes 5613
*Hippophae rhamnoides* 2744, 6536
mangoes 5313
*Moringa oleifera* 3776
*Ocimum sanctum* 5128
*Opuntia* 5290
pawpaws 3181
pumpkins 7583
vegetables 3388, 4830, 7443
*Zingiber officinale* 4446
determination
horticultural crops 4661
oranges 3851
metabolism
growth regulators, carrots 4976
herbicides
carrots 4333
*Liriodendron tulipifera* 5097
*Narcissus poeticus* 8983
nitrogen, *Amaranthus tristis* 2937
physiology, mangoes 5322
ripening
mangoes 7085
pawpaws 3885
seasonal variation, carrots 5922
senescence, peaches 5497
**Carotenoids**
biochemistry, peas 5810
characterization
roses 2998
tomatoes 2173
composition
apricots 4715
*Camellia chrysantha* 9035
*Capparis decidua* 1821
*Capsicum* 2891
chrysanthemums 5987
*Citrus* 3850
*Cochlospermum tinctorium* 2368
*Cratoxylum pruniflorum* 1729
*Dendrobium* 455
grapes 5613
*Hippophae rhamnoides* 2045, 2740
*Ilex* 2392
ornamental plants 5950
*Orthosiphon aristatus* 3784
tulips 6815, 8984
vegetables 3388
watermelons 4174
determination
oil palms 3919
oranges 3851
vegetables 3919

**Carotenoids** *cont.*
metabolism
cadmium
okras 6700
radishes 243
chromium, *Phaseolus vulgaris* 1488
flowering
*Dendrobium* 6839
*Narcissus pseudonarcissus* 1605
fungicides, okras 8841
growth regulators
grapes 2068
okras 8841
peas 1510
tomatoes 8884
herbicides
*Liriodendron tulipifera* 5097
*Narcissus poeticus* 8983
iron
apricots 5482
pears 5482
light, peas 7692
physiology
grapes 6571
*Phaseolus vulgaris* 3421
pollution, *Bougainvillea spectabilis* 7938
ripening
apples 4700
cherries 6478
*Hippophae rhamnoides* 2741
*Ziziphus spina-christi* 6360
rootstock scion relationships, satsumas 9268
senescence
*Parthenocissus tricuspidata* 1657
peaches 5497
storage, broccoli 3386
water relations
*Phaseolus vulgaris* 5765
*Portulacaria afra* 1622
tea 1239
production, tissue culture, *Crocus sativus* 1665
***Carpinus*,** pruning, systems, assessment 2269
***Carpinus betulus***
cuttings
sources, etiolation 1032
types, summer cuttings 2982
***Carpomyia vesuviana*, *Ziziphus mauritiana*** 3904
***Carpophilus*,** dates 1811
**Carrots**
as weeds, lawns and turf 7886
cultivars
anatomy 976
assessment
Bangladesh 8928
Netherlands 7794
Norway 7796
USSR 867, 4975, 5616
biochemistry 356, 2930, 5922, 7443, 7797
characteristics
India 357
Norway 7798
consumer preferences 6756
diseases 5921
growth 975
pests 2927, 4132, 4979, 8924
processing 6756, 7794
spacing 355
winter hardiness 2930
yields 355, 974, 2932
cytology 6757
diseases
*Alternaria radicina* 4977
aster yellows 2934
*Fusarium* 8921
*Pythium ultimum* 8921
*Sclerotinia* 5924
disorders, cavity spot 3509
electrical properties, tissue culture 7805
frost
injuries 7151
resistance, biochemistry 2930
growth regulators
GA, metabolism 5926
IBA, responses 4976

**Carrots** *cont.*
handling, injuries 8929
harvesting, techniques, mechanical harvesting 8929
herbicides
application 7476
injuries 2175, 5923
residues 2788
responses 4333
insecticides, residues 4652
mulching, responses 2934
nutrients, requirements, assessment 4335
nutrition 6579
boron 2933
manures 2931, 4825
nitrogen 2176, 2931-2932, 3509, 4826-4827
phosphorus 2176, 2931, 3509, 4826
potassium 2176, 2931, 3509, 4826
pests
control, Switzerland 4104
*Macrosteles fascifrons* 2934
*Meloidogyne hapla* 4979
*Meloidogyne incognita* 8921
*Meloidogyne javanica* 8921
*Psila rosae* 2927, 7801-7802, 8922-8925
*Trioza apicalis* 7803
photosynthesis, tissue culture 359
plant
composition 4336, 4831, 5928
development, assessment 975, 8388
planting, spacing 4982
pollution, chromium 4171
processing, cultivars 6756, 7794
protected cultivation
carbon dioxide 8668
soil fumigation 6582
systems, plastic film 8924
reports
Colombia 3213
German Federal Republic 732, 3215-3216
roots
biochemistry
growth regulators 4976
temperature 2930
composition 356, 1907, 2931, 3919, 4132, 4830, 5628, 5922, 5929, 7443, 7797
cytology 8926
quality, cultivars 4975
vascular system 976
seedlings
development
germination 2929
physiology 974
seeds
composition 530, 4978, 5151
development, temperature 4337
germination
salinity 4948
tests 2928, 4337
water relations 1547
microorganisms 4977
production
cultivars 8928
cultural methods 4982, 5931, 7807
reviews 8927
quality
assessment 2928, 5617
growth regulators 1403
position 7807
sowing
depth 358
sowing date 2927, 4979, 5931, 8924
spacing 4979
storage
duration 1547-1548
physiology 4816
treatment 957, 1547-1548, 3511, 4948, 4976-4978
soil amendments 4102
soil fumigation 1549, 5924, 8921
soil management, systems 7452
soil types 4334-4335
stecklings
quality 3510

**Carrots** *cont.*
stecklings *cont.*
treatment 5931
storage
cultivars 7794
diseases 8930
losses 7794
systems
assessment 360
cold storage 8930
treatment 8930
tissue culture
biochemistry 4981, 5925, 5927, 5930, 6757-6758, 7805-7806
culture media 5930
embryogenesis 4981, 7800, 7804, 7806
physiology 359, 7804
propagation
callus 1254, 7799
embryos 7799
protoplasts 5929
responses, steroids 4980
translocation, biochemistry 8430
utilization, lawns and turf 418
water relations, physiology 7191
weed control 4333, 5923, 7450-7451, 7476, 8607
yields
correlation 355, 974
diseases 5924
pests 5924
***Carum carvi***
cultivars
assessment, USSR 867
characteristics
Netherlands 3921
USSR 4444
fruits, composition 7968
plant, composition 2307
planting, spacing 7966
seeds, production, cultural methods 6123
taxonomy, morphology 5104
utilization, lawns and turf 418
***Carum copticum*** (*see Trachyspermum ammi*)
***Carya*** (*see also* Pecans)
**Cashews**
cultivars
assessment, India 9313
biochemistry 4573
cultural methods, Burkina Faso 4570
economics, Burkina Faso 4570
flowers, development, cultivars 9314
fruits
composition 3872
flavour, biochemistry 3873
quality, cultivars 9313
grafting
scions, treatment 8243
techniques, seedlings 8243
nutrition 3871
nitrogen 4571-4572
phosphorus 4571-4572
potassium 4571-4572
nuts
composition 1268, 3872, 4573
quality, cultivars 9313
products, beverages 3873
reports, India 4619, 7134
seeds
biochemistry, alcohols 6290
viability, tests 6290
***Casimiroa edulis***
cultivars
assessment, Australia 3866
characteristics, Australia 8229
cultural methods, Australia 3866, 8229
***Cassia*,** taxonomy, anatomy 5172
***Cassia alata*,** leaves, composition 4481
***Cassia angustifolia*,** leaves, histology 1120
**Cassia bark** (*see Cinnamomum aromaticum*)
***Cassia fistula***
fruits, composition 1696
plant, composition 9100
seeds
composition 9132
treatment 5084

***Cassia javanica,*** leaves, composition 8038
***Cassia occidentalis,*** leaves, composition 3059
***Cassia podocarpa,*** leaves, composition 6155
***Cassia renigera,*** seeds, composition 9132
***Cassia senna***
leaves, histology 1120
plant, composition 7994
***Cassia tora,*** seeds, composition 6152
***Cassine balae,*** roots, composition 3752
***Cassytha filiformis,*** plant, composition 6178
***Castanea*** (*see also* Chestnuts)
taxonomy, nomenclature 3998
***Castanea crenata,*** growth regulators, brassinosteroids, composition 7190
***Castanea mollissima***
cultivars, characteristics, China 94
cuttings, sources, etiolation 1032
leaves, composition 4724
***Castanea ozarkensis,*** taxonomy, nomenclature 3998
***Castanea pumila,*** taxonomy, nomenclature 3998
***Castanospermum australe,*** seeds, composition 557
***Catasetum,*** flowers, morphology 9010
**Catechins**
characterization, *Illicium anisatum* 5200
composition
*Artocarpus integer* 3165
*Hypericum hirsutum* 6959
*Osmunda asiatica* 4400
tea 1237, 5351
determination, grapes 3348
***Catha edulis***
leaves, composition 2358, 5173, 8039
plant, composition 1718
***Catharanthus roseus***
cultivars
characteristics, India 9134
diseases 9134
cultural methods
India 9099
USSR 3066
leaves
biochemistry 3064
composition 561, 1722, 3736, 6927
nutrition
calcium 1690
manures 3061
nitrogen 3061
phosphorus 3061
plant
biochemistry 5174
composition 531, 560, 3061, 3702, 9133, 9135
pollen
germination
herbicides 4425
physiology 5149
seedlings, development, biochemistry 4482
soilless culture, nutrient solutions, salinity 6771
tissue culture
biochemistry 558, 560, 1720, 1722, 3065, 3736, 5150, 6179-6180
metabolites
production 559, 1719, 1721, 2359, 3063, 6928-6929, 8040
reviews 3062
ultrastructure 1723
***Cattleya***
flowers, morphology 6062
seeds, germination, culture media 3607
***Cattleya guatemalensis,*** seedlings, production, containers 3610
***Caularthron bilamellatum,*** nectaries 6841
**Cauliflowers**
cultivars
assessment
Denmark 7795
Italy 7534
Netherlands 4874
pests 7527, 8718
sowing date 1445
storage 7561

**Cauliflowers** *cont.*
cultural methods, minimum tillage 1448
curds
composition 1434, 1907
development, physiology 3384
initiation
physiology 3384
temperature 2833
diseases
*Plasmodiophora brassicae* 7551
*Sclerotinia sclerotiorum* 8725
disorders, tipburn 5686
frost, injuries 7534
growth regulators
GA, responses 6627, 7549
NAA, responses 7549
harvesting
seasons 7543, 7558
techniques, assessment 4166
herbicides, tolerance 231
insecticides, application 8729
intercropping
*Atriplex hortensis* 4155
beetroots 4155
*Beta vulgaris* var. *benghalensis* 4155
*Coriandrum sativum* 4155
lettuces 4155
onions 4155
radishes 4155
*Rumex vesicarius* 4155
tomatoes 4954
*Trigonella foenum-graecum* 4155
irrigation
responses 5685
systems 5685
leaves, composition 5686
nutrients
absorption, assessment 2082
requirements, assessment 6280
nutrition 6624
boron 2831, 6627
calcium 5686
molybdenum 7549
nitrogen 2831, 3379, 4158, 5685, 6627, 6629
potassium 5685
sulphur 6629
trace elements 5687
pests
*Brevicoryne brassicae* 2323, 3380
*Delia radicum* 8729-8730
*Pieris brassicae* 4161
photosynthesis, tissue culture 3378
plant
composition 224, 4146, 4169, 4883, 6624
development, juvenility 2833
planting
seasons 7543, 7558
spacing 2107
pollination, pollinators, insects 7556
protected cultivation
systems
plastic fabric 1446, 2108, 5622
plastic film 1446, 2108, 5622
reports, German Federal Republic 3216
seedlings
planting, age 2107
production, cultural methods 2827
seeds
germination, temperature 3377
production
cultivars 7557
cultural methods 6624, 7540
pollination 7556
sowing, sowing date 1445, 7540, 7543
treatment 880, 2159, 4819, 7540
viability, tests 4817
soil amendments 5686
soil pH, responses 2831
statistical methods, experimental design 7525, 8716
storage
diseases 6634
disorders 1407, 6634
temperature 7561

**Cauliflowers** *cont.*
tissue culture
propagation
meristems 3378
techniques 3545
water relations, nutrition 5687
weed control 232, 4156
***Cavelerius excavatus,*** sugarcane 7103
**Cecidomyiidae,** pollinators, cocoa 9333
***Cecidophyopsis ribis***
black currants 1362, 6447
red currants 4031
***Cedronella canariensis,*** plant, composition 1645
***Cedrus atlantica,*** reports, German Federal Republic 3216
***Celastrus angulatus,*** plant, composition 9087
***Celastrus glaucophyllus,*** plant, composition 9087
***Celastrus orbiculatus,*** pollution, sulphur dioxide 5072
***Celastrus paniculatus,*** seeds, composition 3737
**Celeriac**
cultivars, biochemistry 3514
mulching, responses 978
processing, quality, assessment 2936
protected cultivation, systems, plastic film 978
seeds, treatment 1403, 3511
shoots, flavour, biochemistry 3514
**Celery**
cultivars
assessment
Poland 7808
USSR 2786
biochemistry 3514
characteristics
Italy 5932
USSR 2787
germination 2935
cultural methods, Mauritius 7140
diseases, *Septoria apiicola* 6759
disorders, black stem 6760
fungicides, translocation 6759
leaves, development, physiology 3512
nutrients, absorption, assessment 2082
nutrition
boron 7810
manganese 2178
nitrogen 2177, 4826, 7809
phosphorus 2177, 4826, 7809
potassium 4826
pests, *Psila rosae* 7801
plant, composition 1907, 4831
planting, spacing 7808
pollution
acids 7153
ozone 7153
processing, quality, assessment 2936
protected cultivation, cultural methods 1551
seedlings
production
cultural methods 7809
protected cultivation 977, 2177
seeds
composition 4983
germination 2935
growth regulators 8931
light 8931
treatment 1403, 4818
shoots, flavour, biochemistry 3513-3514
soil amendments 2178, 7453
soil types 7808
storage
disorders 1407
precooling 8691
systems
assessment 360
cold storage 6760
controlled atmosphere storage 6760
translocation, physiology 2179
**Cells** (*see* Cytology)
***Celtis sinensis,*** parasitic plants, *Phoradendron tomentosum* 1033
***Centaurea alexandrina,*** plant, composition 5175

***Centaurea corcubionensis,*** plant, composition 8041
***Centaurea cyanus,*** flowers, colour, biochemistry 5020
***Centaurea floccosa,*** plant, composition 1113
***Centaurea khotchii,*** plant, composition 6900
***Centaurea pallescens,*** plant, composition 2360
***Centaurium erythraea***
cultural methods, Czechoslovakia 2361
plant, composition 3707
tissue culture, biochemistry 4483
***Centella asiatica,*** tissue culture, biochemistry 6166
**Centipede grass** (*see Eremochloa ophiuroides)*
***Centranthus longiflorus,*** plant, composition 1114
***Centrosema pubescens,*** as green manures, *Areca* 9305
***Cephaelis,*** cultural methods, India 9136
***Cephaelis ipecacuanha***
cultural methods, India 9099
plant, composition 3702
seedlings, production, cultural methods 2364
tissue culture
metabolites, production 8042
propagation, micropropagation 8043
***Cephalenchus emarginatus,*** bananas 8236
***Cephalophora*** (*see Helenium)*
***Cerastium glomeratum,*** as weeds, container grown plants 6072
***Ceratitis capitata***
avocados 643
*Citrus* 3835
horticultural crops 3933
pawpaws 3885
***Ceratobasidium,*** mycorrhizas, Orchidaceae 9017
***Ceratobasidium cornigerum,*** mycorrhizas, Orchidaceae 4406, 9020
***Ceratocystis fimbriata, Hevea*** 7095
***Ceratocystis fimbriata* f.sp. *platani,*** *Platanus acerifolia* 6115
***Ceratocystis paradoxa***
dates 8209
*Phoenix canariensis* 7897
sugarcane 4595, 5339, 6343, 8387
***Ceratonia*** (*see also* Carobs)
***Ceratovacuna lanigera,*** sugarcane 9396
***Cerbera manghas***
leaves, composition 2362, 5176
plant, composition 5177
***Cerbera odollam,*** leaves, composition 2362, 5176
***Cercis canadensis,*** tissue culture, embryogenesis 5085
***Cercis siliquastrum,*** utilization, shelterbelts 100
***Cercospora***
*Capsicum* 8847
spinach 5648
***Cercospora aleuritidis,*** tung 4562
***Cercospora asparagi, Asparagus*** 7701
***Cercospora beticola***
beetroots 867, 6759
spinach 8695
***Cereus validus,*** photosynthesis, drought 4393
***Ceropegia woodii,*** cultural methods, pot plants 6049
***Ceroplastes,*** apples 7248
***Ceroplastes rubens, Citrus*** 654
***Ceroplastes rusci, Pistacia lentiscus*** 2455
***Ceroplastes sinensis, Pistacia lentiscus*** 2455
***Cestrum diurnum,*** plant, composition 4522
***Cetraria islandica,*** composition 1269
***Chaenactis douglasii,*** plant, composition 3112
***Chaenomeles japonica***
fruits
characteristics 7370
development, assessment 2016
wild plants, utilization 8624
***Chaenomeles sinensis*** (*see Cydonia sinensis)*
***Chaenomeles speciosa,*** fruits, characteristics 7370
***Chaetanaphothrips signipennis,*** bananas 7061-7062
***Chaetocnema indica,*** cauliflowers 8718
***Chaetomium, Tagetes erecta*** 1592
***Chaetomium globosum***
control
of *Alternaria raphani,* radishes 5700
of *Venturia inaequalis,* apples 6448
populations, growing media, *Volvariella volvacea* 5940
***Chamaecyparis lawsoniana***
cultural methods, containers 1630
cuttings, storage 464
planting stock, production, containers 463
***Chamaecytisus*** (*see Cytisus)*
***Chamaedorea,*** pests, *Opogona sacchari* 8999
***Chamaedorea elegans***
cultural methods
interior decoration 4388
pot plants 5053
insecticides, tolerance 7892
soilless culture, systems, hydroponics 2969
***Chamaemelum fuscatum,*** plant, composition 5112
***Chamaerops,*** diseases, *Pestalotia* 7897
**Chamomile** (*see Chamomilla suaveolens)*
***Chamomilla***
as weeds, peas 1501
plant, composition 5153
***Chamomilla recutita***
as weeds, strawberries 4776
cultivars, biochemistry 562
cultural methods, Romania 3030
herbicides, responses 5114
monoculture 3015
nutrients, requirements, analysis 5113
nutrition
nitrogen 512
phosphorus 512
potassium 512
plant, composition 8004
research, Italy 6897
***Chamomilla suaveolens***
as weeds, lawns and turf 7886
plant, composition 1724
**Charcoal**
utilization
growing media, carnations 2202
tissue culture
apples 4676
dates 659
Orchidaceae 3609
sugarcane 4591
*Ziziphus sativa* 5352
weed control
lawns and turf 3579
strawberries 6528
***Cheilanthes,*** spores, germination 3587
***Cheiranthus allionii*** (*see Erysimum allionii)*
***Cheiranthus cheiri***
cut flowers, production, cultural methods 3536
plant, composition 1685, 6156
***Chelone lyonii,*** flowers, development, photoperiodism 6784
***Chenopodium***
as weeds
*Gerbera* 383
grapes 4078
***Chenopodium album***
as weeds
carrots 4333
cucumbers 5719
onions 1412, 2092
peas 7665, 8809
*Phaseolus vulgaris* 2128
*Sorbus aucuparia* 4441
strawberries 4775
leaves, composition 2086
***Chenopodium amaranticolor***
leaves, composition 6891
plant extracts, application, *Phaseolus vulgaris* 7996
***Chenopodium ambrosioides,*** plant extracts, application, *Phaseolus vulgaris* 7996
***Chenopodium polyspermum,*** as weeds, *Sorbus aucuparia* 4441
***Chenopodium rubrum***
tissue culture
biochemistry 4448
metabolites, production 6998
***Chenopodium vulvaria,*** as weeds, *Gladiolus* 1600
**Cherimoyas**
cultivars
identification 1216
soil temperature 679
cultural methods, Australia 3164
fruits
browning, biochemistry 7054
composition 9304
ripening, physiology 8232
production, Chile 7204
reports, Berlin 2585
**Cherries**
budding
budwood, sources 6473
seasons 783
buds, development, growth regulators 3269, 6473
cultivars
assessment
Belgium 7280
France 87
Netherlands 1972
Norway 3996
Romania 7281
USSR 1314-1316, 7297
biochemistry 92
characteristics
Bulgaria 8446
Hungary 782
Italy 45
Poland 2655
Romania 4717
USSR 741, 1971
Yugoslavia 1973
diseases 1315, 2652, 4717, 8446
drought 815
dwarf cultivars 2658
growth regulators 1321
mechanical harvesting 2654
mechanical properties 1324
morphology 7282
nectar 1272
pollination 782, 7288
rootstock scion relationships 2658
storage 1317
temperature 1310, 2653
winter hardiness 1319, 8446
yields 789
cuttings
rooting, growing media 1271
treatment 2656, 5483
diseases
*Blumeriella jaapii* 6474, 8583
control, Czechoslovakia 1301
*Monilinia fructicola* 3268
*Monilinia laxa* 6475
*Pseudomonas syringae* pv. *syringae* 7210
disorders, surface pitting 785, 3271
dormancy, temperature 1902
drought, resistance, cultivars 815, 4717
economics, Netherlands 1978
electrical properties, diurnal variation 1914
flowers
development, growth regulators 3269
initiation, photosynthesis 2662
frost
injuries 7151, 7206
resistance
assessment 786
bacteria 5416
cultivars 1310, 1319, 2653, 3996, 4717
irrigation 7284
physiology 787
fruits
biochemistry, cultivars 2655
colour, ripening 6478-6479

**Cherries** *cont.*
fruits *cont.*
cracking
cultivars 1318, 1322
physiology 3270
development
parthenocarpy 7288
physiology 91
loosening, growth regulators 1320
mechanical properties
assessment 93
growth regulators 6476
morphology 2655
quality
assessment 3908
physiology 1979
ripening, growth regulators 1321, 2665
set, growth regulators 2664
fungicides
application 8583
residues 3268
grafting, techniques, micropropagation 2700
growth regulators
chlormequat, responses 4721-4722, 6476
daminozide, responses 1321, 2665, 4721, 6476
ethephon, responses 1321, 6476
GA, responses 785, 3269
IAA, determination 7287
paclobutrazol
application 785
responses 768, 4720-4721
propyl butylphenoxyacetate, responses 4721
triazoles, responses 8448
handling, injuries 1324
harvesting
injuries 1323, 6477, 8522-8523
techniques, mechanical harvesting 1320, 1323, 2607, 5485-5486, 6477, 8522-8523
heat, resistance, cultivars 815
insecticides, responses 4740
interstocks 1976
irrigation
frequency 7284
responses 7284
systems 7284
leaves
composition 90, 5521, 8168
morphology 7282
physiology 1914
nectar 3620
nutrition
nitrogen 1977, 2664, 4722
phosphorus 4722
potassium 4722, 5440
trace elements 4722
pesticides, application 8583
pests
control
Czechoslovakia 1301
German Democratic Republic 8583
*Cydia pomonella* 4740
mammals 8450
surveys, techniques 743
*Zeuzera multistrigata* 7286
photosynthesis, fruiting 2661
plant
composition 4754, 7287
development, phenology 744
planting, spacing 2659-2660
planting stock, production, containers 88
pollen, viability, cultivars 2663
pollination, cultivars 782, 7288
pollution, radioactive fallout 6510
processing
cultural methods 1320
quality, assessment 1978
production
Argentina 7204
Chile 7204
Czechoslovakia 2610
France 1270
products, quality, assessment 1978

**Cherries** *cont.*
pruning
responses 4721
systems, assessment 2659
reports
Berlin 2585
Cyprus 731
German Federal Republic 14, 16-17, 732, 3214, 3216, 3916
USA 3219
ringing, responses 91
rootstock scion relationships
growth 784, 1976
nutrition 5440
yields 784, 1976, 2658, 4718
rootstocks
assessment, USSR 784
characteristics
Denmark 6415
Romania 4718
dwarfing 1975
growth regulators 768
nutrition 5440
propagation
cuttings 2656
seeds 1974, 2657
tissue culture 3997, 8382
seeds, treatment 2657
shoots
development, growth regulators 7285
mechanical properties
assessment 5485
harvesting 5486
storage
biochemistry 92
diseases 1325
disorders 785, 1325, 3271
quality
cultivars 1317
growth regulators 6476
systems
cold storage 4723
controlled atmosphere storage 4723
treatment 3271
tissue culture
biochemistry 788
propagation
meristems 89
micropropagation 740, 4662, 5484, 8382
protoplasts 4719, 7283
techniques 3997
responses, electricity 4719
training
responses 760
systems 46, 760, 2659-2660
water relations
growth regulators 768
propagation 4434
weed control 7208, 8469
wild plants
utilization 8624
USSR 6158
yields, correlation 789
**Chervil** (*see Anthriscus cerefolium*)
**Chestnuts**
cultivars
characteristics
Bulgaria 8446
Hungary 2014
cuttings
sources
etiolation 3999
wounds 3999
treatment 3999
diseases
*Cryphonectria parasitica* 7289
fungi 5487
grafting, cultural methods 1980
mycorrhizas 4000-4001
production, USSR 5381
regeneration, topworking 1980
reports, New Zealand 734
seeds, dormancy, physiology 2666
tissue culture, propagation, embryos 2666

**Chicory**
cultivars
assessment
Australia 2817
New Zealand 3370
characteristics, Italy 2102, 5932
forcing 2818
protected cultivation 3372
cultural methods
Australia 2817
New Zealand 3370
diseases, bacteria 6610
disorders
brown core 3371, 6609
chilling injury 6612
economics, Romania 6608
forcing 3370, 6610
harvesting
harvesting date, assessment 2819
injuries 6611
techniques, mechanical harvesting 6611
herbicides, residues 8666
leaves, composition 1907, 7512
nutrition
calcium 6609
nitrogen 872, 6610
planting, spacing 6607
protected cultivation
cultural methods 3517
energy requirements 6608
reports, German Federal Republic 16, 3215
roots, composition 7512
seeds
production, cultural methods 7511
treatment 7511
soilless culture, cultivars 1435
storage
disorders 6612
treatment 3371
**Chile**
fruit crops
cultivars 7204
production 7204
grapes, cultural methods 834-835
horticultural crops, research 2581, 3209
nectarines, cultivars 3273
peaches, cultivars 3273
*Phaseolus vulgaris*, cultivars 259, 5746
*Simmondsia chinensis*, cultural methods 8127
small fruits
production 8593
surveys 3298
*Vaccinium corymbosum*, cultivars 3307
**Chilling requirement**
almonds 7216
apples 2620
apricots 1969
kiwifruits 2020
*Malus* 8464
nectarines 5489, 6493
peaches 1969, 1998, 2672, 5489
pears 2688
*Rhododendron* 6093
strawberries 4062
*Vaccinium* 2035
*Vaccinium ashei* 138, 2717
***Chilo auricilius***, sugarcane 6344, 7103, 8341
***Chilo infuscatellus***, sugarcane 7103, 8341, 9395
***Chilo sacchariphagus***, sugarcane 6344, 8341, 9394
***Chilopsis linearis***, plant, morphology 1646
**Chimaeras**
*Cymbidium* 6059
Ericaceae 3623
*Saintpaulia* 7847
*Tristania* 6100
***Chimonobambusa jaunsarensis***, flowers, morphology 7939
**China**
*Agaricus campestris*
cultivars 2181
cultural methods 3518
agriculture, books 7117
*Auricularia polytricha*, cultural methods 3522
bamboo shoots, cultural methods 6763

**China** *cont.*
*Camellia reticulata*, ecology 9033
*Castanea mollissima*, cultivars 94
*Dictyophora indusiata*, cultural methods 3524
*Freesia refracta*, cultural methods 6805
*Hericium erinaceus*, cultivars 3525
*Lentinula edodes*, cultural methods 2196
*Osmanthus fragrans*, cultivars 1054
*Poria cocos*, cultural methods 2419
*Simmondsia chinensis*, cultural methods 7007
*Volvariella esculenta*, cultural methods 2198
*Volvariella volvacea*, cultural methods 2199, 3533
**Chinese cabbages**
bolting
light 3385
protected cultivation 5622
soil temperature 3383
cultivars
assessment
Norway 5678, 7530
USA 7536
disorders 7548
protected cultivation 227
storage 6630, 7530
diseases
*Alternaria* 6631
*Plasmodiophora brassicae* 4160, 5691-5692, 7551
*Pseudocercosporella capsellae* 6631
disorders
tipburn 7548
vein necrosis 3387
flowers, initiation, light 3385
growth regulators, brassinosteroids, composition 7190
leaves, composition 8736
mulching, responses 8728
nutrients, absorption, assessment 2082
nutrition
calcium 7548
nitrogen 4826, 6630
phosphorus 4826
potassium 4826
trace elements 7548
pests
control, Switzerland 4104
*Delia radicum* 8728
planting
seasons 7536
spacing 4153
protected cultivation
planting, seasons 227
spacing 227
systems
plastic fabric 5622
plastic film 5622, 7544, 8728
reports
Cyprus 731
German Federal Republic 3216
rotations 8664
seeds
dormancy, physiology 4875
germination, temperature 3377
sowing, sowing date 4153
senescence 2085
soil amendments 5692
soil temperature, responses 3383
storage
cultivars 7530
disorders 1407, 3387
physiology 2085
systems, assessment 1454
tissue culture
propagation, techniques 228
responses, salinity 2832
weed control 7450, 8665
**Chinese cabbages** × ***Brassica campestris***, as green manures, plums 818
**Chinese gooseberry** (*see Actinidia*; Kiwifruits)
**Chipmunks**, apples 1954
***Chlorella vulgaris***, composition 2363
**Chlorides**
metabolism
age, *Capsicum* 299
cultivars, grapes 5575
**Chlorides** *cont.*
metabolism *cont.*
seasonal variation, tomatoes 329
responses, apples 71
**Chlorine**
absorption, grapes 6563
composition
bedding plants 6771
beetroots 868
coffee 7076
melons 6650
watermelons 6650
determination, greenhouse crops 328
metabolism
nitrogen, tea 8355
physiology
beetroots 2098
oranges 1802
salinity, tomatoes 969
nutrition, coconuts 2552
responses, lettuces 4869
toxicity
cabbages 4878
horticultural crops 7154
oranges 1803
pot plants 372
vegetables 372
translocation, tomatoes 4972
**Chlorophyll** (*see also* Pigments)
biochemistry
peas 5810
*Phaseolus vulgaris* 3418
spinach 6599
biosynthesis
cucumbers 2848, 7608
Jerusalem artichokes 2101
characterization, peas 5820
composition
Brussels sprouts 4149
*Dendrobium* 455
*Osmunda asiatica* 4400
peas 6601
plants 3226
poinsettias 1636
spinach 4124, 4845, 6601
vegetables 3388
determination
*Epipremnum pinnatum* 9004
plants 1912
extraction, plants 8431
fluorescence
avocados 1190
coffee 7075
cucumbers 2849, 5825, 5827
grapes 847
*Kalanchoe daigremontiana* 2974
kiwifruits 5534-5535
Orchidaceae 4407
*Parthenocissus tricuspidata* 1657
peas 936, 2875, 3437-3438, 4254, 4261, 4924, 5807, 5814-5817, 5819, 5823, 5825, 5827, 8818
*Phaseolus vulgaris* 3419, 7624
plants 8389
spinach 2803, 5649, 6598, 6602-6603, 7499
*Vicia faba* 2134
metabolism
age, peaches 4009
aspect, grapes 845
boron, broccoli 5688
cadmium
okras 6700
*Phaseolus vulgaris* 4903
radishes 243
chromium
*Datura stramonium* 5184
*Phaseolus vulgaris* 1488
copper
peas 8814
spinach 7498
defoliation, apples 2638
flowering
*Dendrobium* 6839
*Narcissus pseudonarcissus* 1605
*Thevetia peruviana* 3651
fruiting, pecans 6504
fungicides
okras 8841
tomatoes 344
germination, cucumbers 5712
**Chlorophyll** *cont.*
metabolism *cont.*
growth regulators
apples 3246
*Capsicum* 2150
cucumbers 5723
grapes 2068
okras 8841
peas 1510
*Phaseolus vulgaris* 7624
roses 2278
strawberries 4784
*Thevetia peruviana* 3651
tomatoes 8884
hydrogen sulphide, spinach 2803
iron
apricots 5482
pears 5482
peas 935
light
*Acer palmatum* 1641
*Codiaeum variegatum* 6051
peas 4926
*Phaseolus vulgaris* 7633
radishes 1458
manganese, *Phaseolus vulgaris* 7633
nutrition
broccoli 7547
celery 2177
lettuces 4141
mangoes 699
tea 8356
tomatoes 2911
phosphorus, peas 8814
photoperiodism, apples 3968
physiology
peas 931
plants 8903
*Zantedeschia* 2240
pollution
*Bougainvillea spectabilis* 7938
*Phaseolus vulgaris* 909
ripening
cherries 6478
*Litchi* 3154
pawpaws 3885
*Ziziphus spina-christi* 6360
salinity, Chinese cabbages 2832
seasonal variation, grapes 4069
senescence
*Mesembryanthemum crystallinum* 5061
*Parthenocissus tricuspidata* 1657
peaches 5497
*Thevetia peruviana* 3651
shade, peaches 2678
storage
broccoli 3386
vegetables 4167
temperature, apples 3968
tissue culture
*Aranda* 7907
carnations 3541
cauliflowers 3378
Chinese cabbages 2832
*Datura fastuosa* 3747
water relations
*Phaseolus vulgaris* 6677
*Portulacaria afra* 1622
***Chlorophytum***, cultural methods, interior decoration 7895
**Chloroplasts**
biochemistry
antioxidants, *Vicia faba* 926
copper, spinach 7498
electricity, spinach 8702, 8704
enzymes
peas 3448-3449, 3452-3453
*Phaseolus vulgaris* 4227
spinach 3452
growth regulators, *Vicia faba* 8795
herbicides, *Narcissus poeticus* 8983
iron, peas 931, 935
light
cucumbers 5825-5826
peas 937, 2142, 3434-3435, 4256, 4926, 5825-5826, 7692
*Peperomia metallica* 7905

**Chloroplasts** *cont.*
biochemistry *cont.*
light *cont.*
*Phaseolus vulgaris* 8779
spinach 204, 1429, 2099, 3365, 3368, 4848
*Vicia faba* 7650
magnesium
peas 2875
*Vicia faba* 925
nutrition, peas 7681-7682
oxygen, lettuces 220
phosphorus, spinach 1426, 1430
photosynthesis
lettuces 6617, 8714
peas 4923, 8823
*Phytolacca americana* 6597
spinach 4844-4845, 6597-6600, 6602, 8703
temperature
cucumbers 5825-5826
peas 5825-5826, 6693, 7679
spinach 2806
water relations, *Digitalis lanata* 3751
composition
*Capsicum* 5861
*Cucurbita moschata* 902
lettuces 5674
peas 939, 2141, 4251, 4255, 4263-4266, 4920, 4922, 5813, 5820, 5829-5831, 6601, 7677-7678, 7694, 7696, 8706, 8816, 8822, 8830
*Phaseolus vulgaris* 3418, 5761
radishes 5702
spinach 1425, 1432, 3366, 4122, 4126, 4255, 4854, 4856-4857, 4859, 5655, 5657, 5659-5660, 6601, 8696, 8700-8701, 8705-8706
*Vicia faba* 4916
development
antibiotics, *Phaseolus vulgaris* 5763
cadmium
*Phaseolus vulgaris* 4903
radishes 243
growth regulators
carnations 377
cucumbers 2848
watermelons 2847
light
ornamental plants 1585
watermelons 2847
nutrition, apples 66
physiology, peas 4252-4253
pollution
*Syzygium cumini* 3224
tamarinds 3224
senescence, *Vicia faba* 4238
shade, peaches 2678
temperature, *Phaseolus vulgaris* 5764
tissue culture, grapes 165
isolation
cucumbers 5826
peas 5826, 5829
physiology
*Capsicum* 4940
peas 1502, 3436-3437, 3439-3442, 3444-3445, 3447, 3455, 4925, 8817
spinach 2807-2808, 3436, 3441-3442, 3445, 5248
research
peas 941, 3438, 8697
spinach 870, 5652, 8697
ultrastructure
Orchidaceae 4407
peas 934, 1509, 4262, 5807, 6692
*Phaseolus vulgaris* 934, 3418
spinach 2804, 4846, 7498
***Chlumetia transversa,*** mangoes 7084
**Choline,** metabolism, biochemistry, spinach 3368
**Choline chloride,** responses, tomatoes 7743
***Chondrostereum purpureum,*** apples 3964
***Chonemorpha fragrans,*** roots, composition 1103
***Choristoneura rosaceana,*** apples 2632
***Chosenia arbutifolia,*** ecology, USSR 3641
**Chromenes**
composition
*Ageratum conyzoides* 3669
*Schumanniophyton magnificum* 2432
**Chromium**
absorption, vegetables 4171
composition
fungi 2184, 4341
melons 6650
watermelons 6650
nutrition
*Datura stramonium* 5184-5185
*Thymus capitatus* 6232
toxicity
*Phaseolus vulgaris* 1488
vegetables 4171
***Chromolaena odorata,*** as weeds, *Cola nitida* 2554
**Chromones**
biosynthesis, sweet peas 4360
characterization, *Aquilaria agallocha* 3671
composition
*Ammi visnaga* 1101
*Mutisia acuminata* 3778
**Chromosomes**
*Allium* 4837
*Alstroemeria* 6035
*Amaranthus* 7848
*Anthurium scherzerianum* 3556
*Aranda* 1031
*Camellia* 6075
*Capsicum* 293
Compositae 7825
*Fatshedera lizei* 1617
*Fatsia japonica* 1617
*Gerbera* 994
*Gloriosa superba* 6034
grapes 6544
*Hedera helix* 1617
horticultural crops 1911, 5403
*Lathyrus* 6013
*Lilium* 8979
*Lilium longiflorum* 7864
*Lycium chinense* 4437
*Muscari comosum* 2236
onions 7483-7484, 8688
peas 5808
*Peltophorum pterocarpum* 3648
*Petunia* 2212, 2944
pomegranates 3162
*Stevia rebaudiana* 5247
*Vaccinium* 2715
***Chrysalidocarpus lutescens***
cultural methods, containers 4412
irrigation, water, composition 372
protected cultivation, temperature 2247
***Chrysanthellum,*** chromosomes 7825
***Chrysanthellum indicum,*** plant, composition 1115
***Chrysanthemum cinerariifolium*** *(see Tanacetum cinerariifolium)*
***Chrysanthemum coronarium***
diseases, *Peronospora radii* 4357
mycorrhizas 5563
***Chrysanthemum frutescens***
cut flowers, vase life 7849
diseases, *Peronospora radii* 4357
***Chrysanthemum indicum*** *(see* Chrysanthemums)
***Chrysanthemum morifolium*** *(see* Chrysanthemums)
***Chrysanthemum parthenium*** *(see Tanacetum parthenium)*
***Chrysanthemum pectinatum,*** plant, composition 8044
**Chrysanthemums**
breeding
diseases 1566
inbreeding 5987
Japan 1563
reviews 3534
selection 1564-1565, 4353
tissue culture 1565
cultivars
assessment, Netherlands 1570
characteristics, Japan 7358
cut flowers 1567
**Chrysanthemums** *cont.*
cultivars *cont.*
diseases 1566, 1571-1572
drought 6778
growth regulators 6777
mutants 5005, 8952
nutrition 6778
pests 992, 5006, 7835
pot plants 1567, 3543
soilless culture 8953
tissue culture 3544
cultural methods
Poland 5004
pot plants 4356, 5004, 5947, 6776-6777, 7837-7838
cut flowers
economics
India 7840
Netherlands 1568
marketing, India 7840
production
cultural methods 3536, 8954
India 7840
protected cultivation 1575, 1577
soilless culture 1568, 8953
Turkey 5959
cuttings
rooting, aeration 4354
sources, cultural methods 1255, 1579
treatment, light 5988
diseases
*Agrobacterium tumefaciens* 6772
*Erwinia carotovora* subsp. *carotovora* 1571
*Erwinia chrysanthemi* pv. *chrysanthemi* 6772
*Septoria chrysanthemella* 1572
flowers
colour
biochemistry 5987, 8952
genetics 5987
development
assessment 5991
temperature 1563, 2208, 3547
initiation
growth regulators 1569
photoperiodism 1575
temperature 1576
growth regulators, ethylene, injuries 1569, 4631
growth retardation, growth regulators 2207
heat
resistance, breeding 1563
treatment 3544
irrigation, responses 2207
leaves
development, growth regulators 381
physiology 7839
mutants
biochemistry 5005
induction
gamma radiation 8952
X radiation 3547
nutrition
manures 2941
nitrogen 2941, 6778
phosphorus 2941
potassium 2941
pests
Aphididae 7188
*Aphis gossypii* 380
*Liriomyza trifolii* 5006, 7832
*Myzus persicae* 380
photosynthesis, light 5007
plant
composition 993, 6872
development
assessment 5991
carbon dioxide 1570
light 1574
seasonal variation 1573
temperature 1564, 1570, 1574, 1576
protected cultivation
carbon dioxide 1579, 7160
conferences 1249
cultivars 1567
diseases 5947
economics 1568

**Chrysanthemums** *cont.*
protected cultivation *cont.*
light 382, 1574-1575, 5988-5989
pests 7835
systems, greenhouses 7164
temperature 248, 1574, 1576
reports, German Federal Republic 15
rotations 8664
salinity, tolerance 4353
soilless culture
growing media 8954
nutrient solutions, pH 5990
tissue culture
explants, sources 4355
propagation
meristems 3544, 3546, 7836
techniques 3545
techniques 4353
***Chrysobalanus icaco,*** characteristics 9409
***Chrysodeixis chalcites,*** greenhouse crops 7181
***Chrysoperla carnea***
control
of pests, greenhouse crops 179
of *Tetranychus urticae,* peaches 5495
***Cibotium,*** spores, germination 3587
**Cicadellidae,** grapes 8640
***Cichorium*** (*see also* Chicory; Endives)
***Cigarilla mexicana,*** plant, composition 6930
***Cinchona***
cultural methods, India 9136
plant, composition 6164, 8004
***Cinchona ledgeriana***
cultural methods, India 9099
seedlings, production, cultural methods 2364
tissue culture
culture media 6931
metabolites, production 1116, 3067, 6931
***Cinchona officinalis,*** plant, composition 3702
***Cinchona pubescens,*** seedlings, production, cultural methods 2364
**Cinerarias** (*see Senecio)*
***Cinnamomum aromaticum,*** plant, composition 7970
***Cinnamomum camphora,*** herbicides, injuries 988
**Cinnamon** (*see Cinnamomum)*
**Circadian rhythm**
*Kalanchoe tubiflora* 2256
*Pharbitis nil* 7844
*Phaseolus coccineus* 7640
***Cirsium***
as weeds, small fruits 4032
chromosomes 7825
plant, composition 3068, 3738
***Cirsium arvense***
as weeds
black currants 5537
hops 4463
ornamental plants 6770
***Cirsium vallis-demoni,*** roots, composition 6181
***Cirsium wallichii,*** plant, composition 6182
***Cissa erythrorhyncha,*** temperate fruits 8451
***Cissampelos pareira,*** plant, composition 1117
***Cissus rhombifolia***
cultural methods
interior decoration 7895
pot plants 5052
insecticides, injuries 7892
***Cistanche phelypaea,*** as weeds, beetroots 8693
***Cistanche tubulosa,*** plant, composition 2365
***Citharexylum fruticosum,*** leaves, composition 3739
**Citranges**
as rootstocks
*Citrus* 1791, 2516
lemons 3829
mandarins 3148, 5265, 7020
oranges 1194, 3127, 9256
drought, tolerance 9247
flooding 4539
**Citranges** *cont.*
mycorrhizas 4539
planting stock, production, containers 4538
protected cultivation, carbon dioxide 1193
roots, injuries, temperature 4538
salinity, responses 4539
seedlings
development
assessment 3125
temperature 4538
seeds
development, polyembryony 8170
germination, tests 8170
sowing, orientation 6243
**Citrons**
as rootstocks
grapefruits 5267
oranges 9256
cultivars, identification 1192
flowers, fragrance, diurnal variation 6108
leaves, composition 8168
***Citrullus*** (*see also* Watermelons)
***Citrullus colocynthis***
cultural methods, Nigeria 3393
intercropping, maize 6646
**Citrumelos**
as rootstocks
*Citrus* 2514
oranges 9256
planting stock, production, containers 4538
roots, injuries, temperature 4538
seedlings, development, assessment 3125
seeds, sowing, orientation 6243
***Citrus*** (*see also* Calamondins; Citranges; Citrons; Citrumelos; Clementines; Grapefruits; Lemons; Limes; Mandarins; Natsudaidais; Oranges; *Poncirus trifoliata;* Pummelos; Rough lemons; Satsumas; Sour oranges; Tangelos; Tangors)
acaricides, pest resistance 8196
cultivars
diseases 8186, 9245
disorders 1796
habit 6246
lists 9248
cultural methods
South Africa 7016-7017
USSR 6246
diseases
*Alternaria* 9259
*Citrus* tristeza virus 9257
control
Italy 5273
South Africa 7016-7017
*Corticium salmonicolor* 9260
*Phomopsis* 9259
*Xanthomonas campestris* pv. *citri* 4541, 8186-8187, 9258
disorders, chlorosis 1794, 1796
frost
protection
materials 6245
snow 6246
fruits
composition 1240, 2523
flavour, biochemistry 7033
quality, assessment 43
grading, equipment 656
grafting, techniques, inarching 2514
harvesting, techniques, mechanical harvesting 4547-4548
high density planting, rootstocks, reviews 3828
insecticides, application 3835
irrigation
equipment 8178
requirements, determination 3138
systems 3139, 6249
landscaping, urban sites 6068
leaves, composition 1194, 8168
nutrients, requirements, assessment 6280
nutrition 1794, 3171
overwintering 6246
pesticides, application 8198-8199, 9265
***Citrus*** *cont.*
pests
Acari 8196
*Aceria sheldoni* 9261
*Aleurocanthus woglumi* 9263
*Ceratitis capitata* 3835
control
Italy 5273
South Africa 7016-7017
Curculionidae 9262
Formicidae 9253
*Helix aspersa* 9253
*Panonychus citri* 2519, 5276, 9261
*Pantomorus cervinus* 9253
*Papilio demoleus* 8197
*Phyllocoptruta oleivora* 9261
*Tylenchulus semipenetrans* 5275
plant, composition 8420
planting stock
production
containers 4538
techniques 1194
production
Argentina 7204
Italy, reviews 1191
pruning, responses 9253
reports
Berlin 2585
Cyprus 731
roots, injuries, temperature 4538
rootstocks
assessment
India 9251
Venezuela 3125
characteristics 2516
cultural methods 1193
drought 9247
dwarfing, reviews 3828
flooding 4539
high density planting, reviews 3828
nutrition 1194
propagation, seeds 3142, 6243, 8170
salinity 4539
soil fumigation 8187
species
diseases 9245
identification 8168
morphology 8169
staking, systems 6250
storage
diseases 6260
treatment 6260
taxonomy
chemotaxonomy 2523, 4551, 7018
keys 8169
tissue culture
embryogenesis 1792
propagation, meristems 2517
techniques 2545
water relations, biochemistry 2488
weed control 7017
***Citrus amblycarpa,*** drought, tolerance 9247
***Citrus bergamia,*** fruits, composition 1065
***Citrus celebica,*** leaves, composition 8168
***Citrus depressa,*** fruits, composition 2523
***Citrus* exocortis viroid,** clementines 9246
***Citrus* greening,** *Citrus* 1792
***Citrus halimii,*** leaves, composition 4544
***Citrus hystrix,*** leaves, composition 8168
***Citrus ichangensis***
as rootstocks
*Citrus* 1791, 2516
lemons 3829, 6244
leaves, composition 8168
seeds, composition 7033
***Citrus indica,*** leaves, composition 8168
***Citrus junos,*** as rootstocks, satsumas 9268
***Citrus karna***
as rootstocks
*Citrus* 2515
mandarins 7020
oranges 8172
***Citrus latifolia***
flowers
development
fruiting 1201
growth regulators 1201
plant, composition 6261

***Citrus latifolia*** *cont.*
shoots
development
fruiting 1201
growth regulators 1201
***Citrus latipes,*** leaves, composition 8168
***Citrus limettioides***
as rootstocks, *Citrus* 2514
cuttings, treatment 8171
interstocks 5266
irrigation, responses 7022
mulching, responses 7022
rootstock scion relationships
growth 5266
yields 5266
***Citrus limonia***
as rootstocks
grapefruits 5267
mandarins 5265
drought, tolerance 9247
leaves, composition 6870
rootstocks, propagation, seeds 8173
seedlings, development, assessment 3125
***Citrus macrophylla,*** as rootstocks, lemons 647
***Citrus macroptera,*** leaves, composition 8168
***Citrus meyerii***
frost, protection, cultural methods 3830
fruits, set, protected cultivation 6258
growth regulators
chlormequat, responses 3831
diethyloxomorpholinium chloride, responses 3831
leaves, composition 3853
training
responses 3830
systems 3830
***Citrus micrantha,*** leaves, composition 8168
***Citrus nobilis,*** roots, composition 1199
***Citrus otachibana,*** fruits, development, biochemistry 9272
***Citrus* psorosis virus,** clementines 9246
***Citrus sunki,*** seedlings, development, assessment 3125
***Citrus tachibana***
fruits, composition 2523
leaves, composition 8168
***Citrus taiwanica,*** seedlings, development, assessment 3125
***Citrus* tristeza virus,** *Citrus* 2514, 9257
***Citrus volkameriana***
as rootstocks
*Citrus* 645, 2514
grapefruits 5267
oranges 1194
*Poncirus trifoliata* 644
sour oranges 644
mycorrhizas 649
nutrition, phosphorus 649
rootstock scion relationships
biochemistry 645
growth 644
physiology 644
seedlings, development, assessment 3125
***Citrus wilsonii,*** as rootstocks, satsumas 9268
***Citrus* xyloporosis virus,** clementines 9246
***Citrus yuko,*** tissue culture, propagation, embryos 7021
***Cladonia,*** composition 1269
***Cladosporium***
*Asparagus setaceus* 7897
*Capsicum* 6712
dates 8209
grapes 1388
raspberries 2028
***Cladosporium caryigenum,*** pecans 8568
***Cladosporium cladosporioides,*** *Curcuma longa* 1667
***Cladosporium cucumerinum,*** cucumbers 5708, 8742
***Cladosporium sphaerospermum,*** *Callistephus chinensis* 6007
***Clausena anisata***
leaves, composition 9088
roots, composition 5178
***Clausena lansium,*** leaves, composition 3740
***Clavaria cardinalis,*** characteristics 2192
***Clavibacter michiganensis* subsp. *michiganensis*** , tomatoes 2915
***Clavibacter michiganensis* subsp. *michiganensis,*** tomatoes 5909, 6737
**Clay**
utilization
growing media
*Codiaeum variegatum* 4394
poinsettias 6846
pot plants 8942
tomatoes 4960
woody plants 8945
***Cleistopholis glauca,*** plant, composition 9137
***Cleistopholis patens,*** roots, composition 8045
***Clematis***
cut flowers, production, protected cultivation 481
planting, spacing 4431
water relations, physiology 5086
***Clematis armandii,*** water relations, physiology 5086
***Clematis flammula***
drought, resistance, assessment 6102
water relations, physiology 5086
***Clematis heracleifolia,*** drought, resistance, assessment 6102
***Clematis integrifolia***
drought, resistance, assessment 6102
pollution, sulphur dioxide 5072
***Clematis mandshurica,*** drought, resistance, assessment 6102
***Clematis orientalis,*** drought, resistance, assessment 6102
***Clematis paniculata***
pollution, sulphur dioxide 5072
water relations, physiology 5086
***Clematis peterae,*** water relations, physiology 5086
***Clematis recta,*** drought, resistance, assessment 6102
***Clematis serratifolia,*** drought, resistance, assessment 6102
***Clematis songarica,*** drought, resistance, assessment 6102
***Clematis tangutica,*** drought, resistance, assessment 6102
***Clematis vitalba,*** drought, resistance, assessment 6102
***Clematis viticella***
drought, resistance, assessment 6102
pollution, sulphur dioxide 5072
**Clementines**
cultivars
assessment, Turkey 9246
diseases 9246
ripening 1204
disorders, chlorosis 1796
fruits, ripening, cultivars 1204
irrigation, systems 3136
parasitic plants, *Cuscuta monogyna* 8395
pests, *Ceratitis capitata* 3835
weed control 8395
***Cleome viscosa,*** seeds, composition 4484
***Clerodendrum cyrtophillum,*** plant, composition 9097
***Clerodendrum fragrans,*** plant, composition 2366, 5179
***Clerodendrum infortunatum***
leaves, composition 8046
plant, composition 5179
***Clerodendrum laevifolium,*** plant, composition 5156
***Clerodendrum thomsoniae,*** cultural methods, pot plants 482
***Clivia,*** cultural methods, interior decoration 7895
***Clivia gardenii,*** pollen, tubes, development 4349
***Clivia miniata***
leaves
development, histology 6819
physiology 4657
***Clivia nobilis***
fruits, composition 7876
pollen
germination, biochemistry 1018
tubes, development 4349
***Clivia nobilis*** *cont.*
pollen *cont.*
tubes, development *cont.*
**Cloches** (*see* Protected cultivation)
**Cloves** (*see Syzygium aromaticum*)
***Clutia abyssinica,*** plant, composition 563
***Cnestis ferruginea,*** plant, composition 4471
***Cnicus benedictus,*** leaves, composition 564
**Cobalt**
absorption
*Pleurotus sajor-caju* 5938
tomatoes 5880
composition
*Asparagus* 3468
fungi 2184
oranges 6248
tea 721
metabolism, biochemistry, lettuces 4145
nutrition, *Datura stramonium* 5186
responses, *Cucurbita pepo* 1483
**Cobalt chloride,** responses, pawpaws 8307
**Cobnuts** (*see* Hazelnuts)
**Coccidae,** ornamental plants 17, 8948
***Coccidoctonus dubius,*** control, of *Ceroplastes rubens, Citrus* 654
***Coccinia grandis,*** pollution, research 7149
**Coccoidea**
*Gerbera* 6779
mangoes 5318
***Coccoloba excoriata,*** shoots, composition 533
***Coccothrinax argentata,*** seeds, germination, temperature 6099
***Cocculus hirsutus,*** plant, composition 2367
***Cocculus laurifolius,*** plant, composition 9098
***Cocculus trilobus,*** plant, composition 7997
***Coccus viridis,*** coffee 3879
***Cochlearia armoracia*** (*see Armoracia rusticana*)
***Cochliobolus hawaiiensis, Callistephus chinensis*** 6007
***Cochliobolus lunatus, Capsicum*** 3482
***Cochliobolus sativus,*** lawns and turf 2963, 7883
***Cochliobolus setariae***
avocados 2476
*Calathea* 2972
*Maranta leuconeura* 3588
***Cochliobolus spicifer, Vicia faba*** 3424
***Cochlospermum angolense,*** roots, composition 6183
***Cochlospermum tinctorium,*** rhizomes, composition 2368
**Cocoa**
climate, requirements 9317
conferences 5375
cultivars
diseases 8244
nutrition 9315
propagation 8248-8249
cultural methods, agroforestry 6293, 8250-8251
cuttings
micropropagation 685
sources, assessment 8247
diseases
cacao swollen shoot virus 6297
*Crinipellis perniciosa* 4574, 6299
*Oncobasidium theobromae* 5301
*Phytophthora palmivora* 4575
drought, responses 9329
drying, equipment 8259
flowers
development, nutrition 9332
drop, water relations 8258
herbicides
application 7066
injuries 7066
humidity, responses 1827
intercropping
*Areca* 3875, 7055
*Areca catechu* 6294, 9329
*Bactris gasipaes* 6295
bananas 686, 9319, 9322
coconuts 5300, 7068, 8260
*Cola nitida* 7065
groundnuts 6292
*Hevea* 6296
maize 6292, 8252

**Cocoa** *cont.*
- intercropping *cont.*
  - rice 6292
  - *Vigna unguiculata* 8252, 9322
- irrigation, responses 9318-9319
- leaves
  - development
    - growth regulators 9325
    - physiology 8256
  - size, physiology 8256
- mulching, responses 9319
- mycorrhizas 9322
- nutrients, recycling 9320
- nutrition 3171, 8264
  - boron 9315
  - calcium 9321
  - magnesium 9321
  - nitrogen 5300, 8255, 9321
  - phosphorus 5300, 7067, 8255, 9321-9322
  - potassium 5300, 8255, 9321
- pests, *Orgyia postica* 9324
- photosynthesis
  - light 9326-9327
  - physiology 8257
  - water relations 9326, 9328
- plant
  - composition 1692
  - thinning, responses 6298
- plant residues
  - composition 9320
  - utilization, growing media 4993
- planting
  - spacing 6292
  - systems 9320
- planting stock, establishment 9319
- pods
  - development, diurnal variation 9331
  - set
    - irrigation 9332
    - nutrition 9332
- pollination
  - pollinators
    - Cecidomyiidae 9333
    - *Forcipomyia* 9333
    - insects 2551
- processing, quality, maturity 1828
- production, Colombia 6291
- regeneration, replanting 6297, 8252-8254
- reports
  - Colombia 3213
  - Malaysia 1894
- roots, exudates 7055
- rootstock scion relationships, seasons 8247
- seedlings
  - development
    - growth regulators 9316
    - temperature 3170
  - production, cultural methods 8246
- seeds
  - composition 1828, 4576
  - quality, assessment 5299
  - storage, systems 1219
  - treatment 3169, 8299
  - viability, physiology 8245
- shade, responses 9330, 9340
- shoots, development, growth regulators 9325
- soil amendments 9323
- soil types 7067, 9321
- tissue culture
  - propagation
    - embryos 8248
    - meristems 8249
    - techniques 685, 3867
- transpiration
  - temperature 9328
  - water relations 9328
- weed control 7066

**Coconuts**
- cultivars
  - assessment, Indonesia 9334
  - mycorrhizas 4578
  - nutrition 3172
  - pests 687
- cultural methods
  - agroforestry 2546, 9335
  - containers 4412
  - Mauritius 7140

**Coconuts** *cont.*
- cultural methods *cont.*
  - Sri Lanka 690
- diseases
  - *Drechslera incurvata* 5303
  - *Phytomonas* 691
- disorders, root (wilt) 5302, 8260
- hybrids, assessment, Indonesia 9334
- intercropping
  - cocoa 5300, 7068, 8260
  - *Leucaena leucocephala* 9335
  - *Pennisetum purpureum* 8260
  - reviews 690
  - tropical crops 3875
- mycorrhizas 4578, 8260
- nutrients, requirements, analysis 2552
- nutrition 3876, 9337
  - chlorine 2552
  - deficiency 9336
  - green manures 8260, 9335
  - magnesium 2552
  - nitrogen 3172
  - phosphorus 3172
  - potassium 2552, 3172
  - trace elements 4577
- nuts, development, age 9339
- pests
  - *Aceria guerreronis* 9338
  - *Eriophyes guerreronis* 687
  - Limacodidae 3910
  - *Lincus* 691
  - *Oryctes rhinoceros* 8261
  - *Sexava nubila* 3877
- plant, composition 5304
- plant residues, utilization, fertilizers 2552
- pollination, techniques 6301
- products
  - coconut cream 221
  - coconut water 221
- reports
  - India 4619, 7134
  - Nigeria 8384
- roots, exudates 6300
- salinity, responses 9337
- seeds, sowing, orientation 688
- shade, responses 5303
- soil types 4577, 9337
- statistical methods, experimental design 3874
- tissue culture
  - propagation
    - embryos 689
    - techniques 3867

***Cocos*** (*see also* Coconuts)

***Codiaeum***
- cultural methods, pot plants 369, 434
- plant, development, light 32
- protected cultivation, shading 429

***Codiaeum variegatum***
- cultural methods, pot plants 4394, 6050-6051, 8996, 9000
- cuttings
  - transport 2249
  - treatment 6826
- nutrition, iron 4391
- plant, development, temperature 2970
- protected cultivation, temperature 2247

***Codium tomentosum,*** composition 6157

***Codonopsis clematidea,*** plant, composition 1725

***Codonopsis lanceolata***
- roots, composition 6932, 9110
- tissue culture, protoplasts 3560

***Coelogyne flaccida,*** plant, composition 5067

***Coelogyne punctulata,*** seeds, germination, tests 5064

**Coffee**
- books 4608
- buds, dormancy, water relations 8277
- cold, injuries 1001
- cultivars
  - biochemistry 5306
  - pests 3173, 3175
- cultural methods
  - agroforestry 1830, 2546, 7111
  - slopes 9341
  - Trinidad and Tobago, reviews 1829
- cuttings
  - physiology 8263

**Coffee** *cont.*
- cuttings *cont.*
  - rooting
    - humidity 9303
    - seasonal variation 8263
- diseases
  - control, Kenya 1834
  - *Gibberella stilboides* 8266
  - *Glomerella cingulata* 1831-1834
  - *Hemileia vastatrix* 1833, 1835-1837, 6302-6303
  - *Pseudomonas syringae* 1831, 1834
- flowers, initiation, physiology 6306
- fruits
  - composition 5306
  - maturity, assessment 7076
- fungicides, application 6303, 6305, 8276
- harvesting
  - harvesting date, assessment 7076
  - techniques, mechanical harvesting 695
- herbicides, tolerance 4579
- insecticides
  - application 6303, 8273
  - pest resistance 9343
- intercropping
  - *Areca* 3875
  - *Phaseolus vulgaris* 5753
- mycorrhizas 4580, 7071-7072
- nematicides, application 8273
- nutrients, requirements, analysis 3878, 8418
- nutrition 3171, 8264
  - calcium 6281
  - copper 7073, 8265, 9342
  - nitrogen 6281
  - phosphorus 6281, 7071-7072
  - potassium 6281
  - sulphur 7074
  - zinc 8265
- pests
  - *Coccus viridis* 3879
  - *Leucoptera meyricki* 9343
  - *Meloidogyne exigua* 3879
  - *Meloidogyne incognita* 3879, 8268-8275
  - Nematoda 8267
  - *Paratetranychus pilosus* 3879
  - *Perileucoptera coffeella* 2553, 3879, 6304
  - *Pratylenchus coffeae* 3879
  - *Xylosandrus compactus* 692
- photosynthesis, water relations 7075
- plant, composition 7073, 9342
- plant residues, utilization, fertilizers 693
- planting
  - depth 8275
  - spacing 7069
  - systems 7069
- planting stock, production, techniques 8267, 8271, 8273
- processing, quality, harvesting 7076
- production
  - Brazil 7152
  - Colombia 6291
- pruning
  - responses 1220-1221
  - systems, assessment 7070
- regeneration, pruning 1220-1221
- replanting, cultural methods 8269-8270, 8274-8275
- reports, Taiwan 7136
- rootstocks, assessment, Brazil 3175
- seedlings
  - development, nutrition 3174
  - production, containers 693
  - treatment 8272-8273
- seeds
  - biochemistry, ripening 694
  - composition 696, 4581
  - production, cleaning 9344
  - storage, systems 8262
  - treatment 8262
  - viability, tests 8262
- shade, responses 692, 9340
- soil compaction, responses 3176
- soil fumigation 8267
- soil types 7073
- species, pests 692

**Coffee** *cont.*
tissue culture, biochemistry 5305
water relations, physiology 7075, 8277
weed control 3176
***Coix lacryma-jobi,*** roots, composition 9138
***Cola nitida***
intercropping, cocoa 7065
production, Nigeria 2554
***Colaspis lebasi,*** vegetables 6580
***Colchicum autumnale***
bulbs, composition 6184
tissue culture
biochemistry 6184
metabolites, production 6933-6934
***Colchicum cornigerum,*** plant, composition 8047
***Colchicum ritchii,*** plant, composition 1085
**Cold** (*see also* Frost; Temperature; Winter hardiness)
injuries
apples 5446
coffee 1001
*Saintpaulia* 1001
protection, container grown plants 4412
resistance
biochemistry
apricots 2648
*Cucurbita moschata* 1482
*Hibiscus rosa-sinensis* 1652
cultivars
apricots 2648
aubergines 311
*Camellia* 9031
cucumbers 2837, 8757
grapes 2752
lawns and turf 5048
lettuces 215
tea 8345
tomatoes 4301
watermelons 5707
growth regulators
apples 5446
cucumbers 5723, 5742
lawns and turf 6824
nutrition, lawns and turf 6824
photoperiodism, grapes 1399
physiology
apples 3967-3968
cucumbers 4189, 8757
*Cucurbita ficifolia* 4189
peaches, reviews 1996
tomatoes 4301
ringing, apples 5446
seasonal variation, apples 5446
species
*Allium* 4837
*Camellia* 9031
tests
cucumbers 8428
*Sinningia speciosa* 8428
tomatoes 8428
woody plants 3614
responses
aubergines 955
cucumbers 5825-5827
grapes 153
*Hibiscus sabdariffa* 1784
peas 5825-5827
*Saintpaulia* 1002
vegetables 2083
treatment
cabbages 1452
*Euphorbia lathyris* 8159
garlic 5631
*Vicia faba* 5778
***Colebrookea oppositifolia,*** leaves, composition 3122
**Coleoptera**
ornamental plants 8949
tea 6355
***Coleus***
growing media, composition 8946
soilless culture, growing media 5388
***Coleus blumei***
drought, resistance, physiology 3594
leaves, physiology 7898
plant, composition 9139
translocation, physiology 7898, 8825
***Coleus edulis,*** leaves, composition 1726
***Colletotrichum acutatum,*** tamarillos 8228
***Colletotrichum capsici, Capsicum*** 1520, 3482, 8847-8848
***Colletotrichum fragariae,*** strawberries 8620
***Colletotrichum lindemuthianum, Phaseolus vulgaris*** 259, 1485, 1489, 2125, 4202, 7742, 8776
***Colletotrichum musae,*** bananas 7064
***Collybia velutipes,*** composition 2185
***Colocynthis vulgaris*** (*see Citrullus colocynthis)*
**Colombia**
cocoa, production 6291
coffee, production 6291
cut flowers, production, carnations 5951, 5953
Orchidaceae, species 446
vegetables, pests, control 6580
***Columnea***
cultivars, pot plants 7940
flowers, composition 6103
growth retardation, growth regulators 7156
***Columnea incredibilis,*** characteristics 6790
***Columnea microphylla,*** cultural methods, pot plants 432
***Combretum caffrum,*** plant, composition 1118, 1727
***Combretum micranthum,*** leaves, composition 1119
***Commiphora africana,*** plant, composition 7969
***Commiphora campestris,*** plant, composition 7969
***Commiphora holtziana,*** plant, composition 7974
***Commiphora molmol,*** plant, composition 7974
***Commiphora mukul,*** plant, composition 2369
***Commiphora ogadensis,*** plant, composition 7969
***Commiphora wightii,*** cytology 565
**Comoros,** horticultural crops, cultural methods 1250
**Compositae**
as weeds
peas 6687
small fruits 4032
chromosomes 7825
plant, composition 1689, 3711
taxonomy, chemotaxonomy 7826
***Comptonia peregrina,*** as weeds, *Vaccinium* 4048
**Computers**
control
carbon dioxide, greenhouses 7159
climate
greenhouses 4642, 6402, 7162, 7166
mushrooms 5934
environment, greenhouses 2600
irrigation, greenhouses 738
nutrition, plants 5399
storage
apples 3973
horticultural crops 1266
monitoring
carbon dioxide, cucumbers 6644
cultural methods, temperate fruits 5417
growth, vegetables 8388
recording
growth, plants 3920
handling, horticultural crops 7198
utilization
cultural methods, tea 9400
economics, sugarcane 5343
expert systems, melons 4888
greenhouses 8412
irrigation, lawns and turf 2966
nutrition, container grown plants 27
transport, greenhouses 8410
**Conferences**
Advances in practical arboriculture 1885
African symposium on horticultural crops 5374, 5384, 5413, 5513,
**Conferences** *cont.*
African symposium on horticultural crops *cont.* 5591, 5617, 5677, 5698, 5851, 5879, 5931, 6012, 6036, 6098, 6243, 6273, 6354
African workshop on pharmacological screening of medicinal plant products 5376, 6148, 6153-6155, 6208, 6213, 6230, 6234, 6236
AG ENG 86 5619
Agricultural engineering, Australia 2593, 2608
Agricultural systems engineering 4618, 4642, 4703, 5343
Agrometeorology 7126, 7252
Agronomy Society of New Zealand 7, 187, 194-197, 199, 201, 246, 280, 283
Air pollution and plants 6376, 6668
Alternative methods to chemical control in the protection of field crops 5, 67
Alternative pollinators for Ontario's crops 7261
ASEAN soil conference 1223, 1246, 1848
Australian Society of Sugar Cane Technologists 4, 713-714
British Crop Protection Conference, Weeds 3431, 5520, 5537, 5561, 5585, 5623, 5793, 6041, 6070, 6681, 6687
California weed conference 322, 742, 848, 988
Carnation culture 5373, 5951-5968, 5971-5975, 5979-5986
Compost -production, quality and use 7122, 7147, 7176-7178, 7818
Congress of Brazilian vegetable growers 3914, 5401, 5780, 5785-5786, 5790, 5795-5796, 5833-5834, 5913
Control of fruiting in fruit plants 3211, 3230, 3234, 3246, 3255-3257, 3279, 3281, 3284, 4720-4721, 4735, 4744, 4780, 6456-6458, 6471, 6485, 6489, 6493-6495, 6498, 6556, 7045, 7048
Crop protection in northern Britain 1411, 1447, 1501, 3315, 3381, 4159-4160
Cultivation of medicinal plants 5158
Development of new floricultural crops 404
Drainage design and management 6249
Essential oils 1884, 2305, 2307, 2313, 2316
Expert consultation on progress and problems in controlling fruit fly infestation 4614
Federation of Crop Science Societies, Philippines 5873, 6317
Florida State Horticultural Society 2584, 2821, 2901, 2925, 2943, 2966, 2984, 2988, 3005, 3127, 3129-3133, 3140, 3142, 3147-3148, 3150-3151, 3852, 4054, 4356, 4387, 4392, 4412, 4538, 4602
Foliar fertilization 7120, 7174, 7234, 7238, 7303, 7368, 7421-7425, 7548, 7601, 7719, 7766-7767, 8183, 8264
Food legume improvement for Asian farming systems 8313
Fruit growing in Czechoslovakia 1882, 1906, 1928, 1934-1936, 1942, 1944, 1948, 1951, 1958, 1967, 1969, 1973, 1975, 1984-1985, 1989, 1992, 1999, 2024, 2031
German conference on questions of weed biology and control 7230, 7451, 7936
German Society for General and Applied Entomology 7733
Greenhouse chrysanthemum 1249, 1563-1571, 1573-1577
Himalayan horticulture in the context of defence supplies 5371, 5643, 5709, 5779, 5871, 5937, 6265, 6324, 6361, 7056

**Conferences** *cont.*
Horticultural substrates and their analysis 8373, 8417, 8474, 8547, 8839, 8885-8890, 8893, 8942-8946, 8953-8955, 8970, 8997, 9000, 9002-9003, 9294
HPLC of proteins, peptides and polynucleotides 8909
Identification and appraisal of new agricultural research and development 8661
*In vitro* problems related to mass propagation of horticultural plants 3210, 3222-3223, 3378, 3422, 3535, 3544-3546, 3549-3551, 3556, 3568, 3570, 3591-3593, 3595, 3597-3598, 3609, 3616, 3622-3623, 3626-3627, 3636, 3653, 3656, 3687, 3868, 3997, 4353, 4367, 4369, 4371, 4373, 4376, 4419-4421, 4433, 4439, 4508, 4566
Indian Society of Agricultural Engineers 5346, 5919, 7167, 7193, 7735
Integrated control in field vegetable crops 8726-8727, 8729-8730, 8922-8925
Integrated control in glasshouses 2, 178-182, 252, 308, 337, 380
International Cocoa Research Conference 5375, 6291-6298, 8245-8249, 8252-8254, 8256-8258, 9315, 9317-9323, 9325-9332
International conference on jojoba and its uses 7131, 8122-8157, 8371, 9222-9238
International Horticultural Congress 1247-1248, 1255-1258, 1302, 1304-1305, 1308, 1407, 1579, 1629, 1808, 1887-1889, 1897, 1901-1905, 1908-1911, 2085, 2169, 2171, 2279, 2502, 5377-5378, 5400, 5410, 7129-7130, 8380, 9302
International Plant Nutrition Colloquium 5388, 5399, 5440, 5459, 5462-5463, 5470, 5482, 5522, 5530-5533, 5547-5548, 5595, 5625-5626, 5650, 5666, 5670, 5684-5688, 5703, 5725, 5727-5728, 5801, 5878, 5888, 5891, 5897, 5899, 5902, 5916, 5990, 6241, 6251-6252, 6254, 6263, 6288, 6313, 6778
International Solar Energy Society 4613, 4634-4638
International symposium of plant growth regulators 6374, 6410, 6638
International symposium on agricultural mechanization and international cooperation in high technology era 6, 28, 41, 43, 352, 420, 656, 680, 695, 9370
International symposium on capillary chromatography 6142, 6261
International symposium on crop protection 3, 889, 1042, 1079
International symposium on parasitic flowering plants 8395, 8610, 8693, 8881
International symposium on plant growth regulators 8827
Mechanical winter pruning of grapevine 7132, 7399-7401
Mechanization and energy in agriculture 2582, 2598, 3930, 4232, 4547
Medicinal and aromatic plants 1883, 2293-2296, 2299, 2312, 2318, 2350, 2364, 2372, 2383, 2412, 2423, 2430, 2438
Medicinal, aromatic and spice plants 8374, 9054, 9066, 9070-9071, 9078, 9096, 9098-9104, 9108, 9111, 9124, 9130, 9133, 9136, 9149, 9163, 9167, 9178, 9200, 9207, 9216
Medicinal plants 6373, 6533-6534, 6860-6862, 6874-6875, 6878-6882, 6897-6898, 6952-6953

**Conferences** *cont.*
Micropropagation in horticulture: practice and commercial problems 4612, 4624-4629, 4662, 4821, 4998-5000, 5027, 5029, 5071
National symposium on temperate fruits 8370, 8451-8452, 8455-8459, 8463-8466, 8470-8472, 8476, 8478-8479, 8481, 8485-8486, 8489-8490, 8505, 8507, 8512, 8514, 8517, 8519, 8521, 8531-8533, 8537-8538, 8544-8545, 8548, 8551-8556, 8563, 8565, 8574-8575, 8578-8581, 8584-8589, 8591-8592, 8619, 8653, 9284
North central weed control conference 177, 479, 5683, 5718-5720, 5883, 5885, 7476, 7593, 7886
Onion physiology and production 7, 187, 194-197, 199, 201
Orchard systems research with deciduous trees 10, 46, 59-60, 102
Pakistan congress of zoology 7084
Pesticide residues and environmental pollution 5370, 5701, 5740, 5845, 5867, 6310
Pesticides Group of the SCI 8342
Photosynthesis 3226, 3366, 3418-3419, 3435-3437, 3439-3455, 4124, 4225-4227, 4256-4257, 4260-4264, 4916, 4920-4922, 4924-4925, 5367-5369, 5807, 5814-5824
Physiology of seed deterioration 5711
Phytopharmacy and phytiatry 5405, 5424, 5566, 5598, 5602, 5672, 5734, 5739, 5758, 5804, 5859, 5911, 5935, 5947, 6024, 6031
Plant adaptation workshop 56
Plant cold hardiness 8428, 9028
Plant Growth Regulator Society of America 7123, 7156, 7190, 7493, 7572-7573, 7623-7624, 7659, 7688
Plant tissue and cell culture 3915
Plantation opportunities in India 9
Plastics in agriculture 4620, 4639-4640, 4823, 4956, 5336
Plastics in the nineties 8381, 8391, 8396, 8402-8404, 8406-8408, 8440-8442, 8674, 8941
Practice of weed control and vegetation management in forestry, amenity and conservation areas 7128, 7888
Regulation of plant integrity 4268, 4616, 4908, 4929-4932
Report of the 13th COLUMA conference 8615, 8665, 8694, 8989, 9377
Role of agricultural engineering in dryland agriculture 4615, 4986
Root crops and the African food crisis 6135
Seed production in and for Mediterranean countries 7124, 7459
Seed research in horticulture 4622, 4816-4819, 4829, 4836, 4863, 4867-4869, 4875, 4948-4949, 4977-4978, 5015, 5100, 5299
Sociedad Agronómica de Chile 2581, 3209
Society of Chemical Industry Process Development Symposium 5211
Solar drying in Africa 7121, 7200-7203, 8003, 8259
Somaclonal variations and crop improvement 8
South African Sugar Technologists' Association 4617, 5334, 5337, 5341-5342, 5344-5345, 7101
Southern Weed Science Society 1785, 2243-2244, 3352, 3537, 3578-3582, 3618-3619, 7595
Sulphur in Indian Agriculture 6375, 7074
Summerfruit conference, New Zealand 4740
Swedish weed conference 8377-8378, 8808-8809
Symposium on mite control in horticultural crops 8379

**Conferences** *cont.*
Symposium on protection of ornamental and flower crops 8375, 8947-8949, 8956-8958, 8998, 9044
Taxonomy and management of Andisols 7175
Technological innovations in agricultural mechanization 7127, 7157, 7186-7187, 7195, 7405, 7452, 7507, 8178, 8200, 8221
Temperate zone fruits in the tropics and subtropics 730, 744, 748-749, 770-774, 802, 804, 836, 855-857, 1293, 1338, 1347, 1352, 1366, 1377, 1379, 1381, 1383, 1385-1386, 1401, 1845, 1920, 2755
Transport and storage of secondary metabolites in tissue-cultured plant cells 2583, 2606, 2886, 3062-3063, 3067
United Planters' Association of Southern India 8372
Weed control in field crops and field vegetables 7119, 7475
Weed control on vine and soft fruits 4029, 4032, 4077-4080, 4772-4778
Weed Science Society of America 5379
Weed science symposium 3884, 3886-3888
West Indies Sugar Technologists 4590
Western Society of Weed Science 3410, 4060, 4273, 4348, 4386
World avocado congress 1886, 2460-2463, 2465-2491, 2493-2496, 2498-2501, 2504-2510
**Conifer needles,** utilization, mulches, aubergines 4294
**Conifers**
as ground cover plants, assessment 2201
cold, resistance, tests 3614
cultural methods, roofs 2983
drought, resistance, tests 3614
landscaping, USSR 6081-6082
planting stock, production, techniques 370
***Conium maculatum***
plant
composition 532
morphology 532
***Conocybe,*** composition 1094
**Container grown plants**
grading, techniques 5079
handling, techniques 3941
herbicides
application 3619
injuries 3619
irrigation, requirements, determination 2268
landscaping, urban sites 4411
nurseries, cultural methods 4412
nutrition, nitrogen 368
planting stock, production, economics 27
weed control 1630, 3537, 5944
**Containers**
size
*Euonymus japonicus* 1041
*Rhododendron* 1041
strawberries 8613
woody plants 2265
types
greenhouse crops 5385
ornamental plants 3610
***Convolvulus arvensis***
as weeds
*Gladiolus* 1600
grapes 7397, 8635
hops 4463
olives 666
onions 1412
ornamental plants 6770
tomatoes 7755
***Conyza balsamifera*** (*see Blumea balsamifera*)
***Conyza canadensis***
as weeds, grapes 5585
plant, composition 6871

***Conyza viscidula,*** plant, composition 6139
**Cooling,** techniques, lettuces 5676
***Copaifera,*** plant, composition 4485
***Copaifera officinalis,*** roots, composition 4466
**Copper**
absorption
kiwifruits 2021
passion fruits 674
pears 7422
*Phaseolus vulgaris* 267
*Pleurotus sajor-caju* 5938
tomatoes 6733
composition
apples 6433
*Asparagus* 3468
avocados 5255
*Baccaurea sapida* 4604
bananas 682
*Boletus tropicus* 2190
*Capparis decidua* 1821
cauliflowers 6624
cocoa 4576
coconuts 4577
coffee 7073, 7076, 9342
*Cornus mas* 47
*Crataegus monogyna* 47
damsons 47
*Flacourtia jangomas* 4604
fruit crops 5414
fungi 1555, 2184
grapes 2081, 2785
*Macadamia* 9283
mangoes 2556
melons 6650
olives 47
oranges 6248
pears 47
plums 47
*Suillus granulatus* 2190
tea 721
vegetables 4825
walnuts 47
watermelons 6650
*Ziziphus mauritiana* 8364
deficiency
cauliflowers 5687
*Cola nitida* 2554
pineapples 5330
spinach 203
determination, *Mentha piperita* 2314
metabolism
biochemistry, lettuces 4145
calcium, pawpaws 1842
disorders, peaches 2677
fruiting, *Litchi* 8212
mycorrhizas, coffee 7071
nutrition, *Peperomia obtusifolia* 3600
phosphorus, *Parthenium argentatum* 5246
physiology
broccoli 237
pineapples 707
ripening, boysenberries 131
salinity
grapes 6562
peaches 8549
seasonal variation
kiwifruits 5529
*Menyanthes trifoliata* 6206
tea 4599
soil amendments, guavas 5310
titanium, tomatoes 6734
nutrition
*Adiantum raddianum* 5055
celery 2178
coffee 8264-8265
cucumbers 4895
*Exacum affine* 3624
garlic 6584
grapes 4798
*Hedera helix* 3624
hops 3696
mandarins 5272
onions 4112
oranges 7023
*Phaseolus vulgaris* 4208
*Rosa damascena* 2318
tomatoes 2909, 7761
*Vaccinium angustifolium* 137
**Copper** *cont.*
requirements
analysis
*Elettaria cardamomum* 7956
hazelnuts 7290
limes 9254
mangoes 8290
okras 3470
pears 4746
*Sechium edule* 3397
tomatoes 2907, 4967
responses
cucumbers 890
*Phaseolus vulgaris* 922
toxicity
*Adhatoda vasica* 9111
cabbages 4150
peas 8814
spinach 7498
translocation
*Phaseolus vulgaris* 268
tomatoes 4972
***Coprinus,*** populations, growing media, *Volvariella volvacea* 5940
***Coprinus comatus,*** casing 3523
***Coptis japonica***
rhizomes, composition 2370
tissue culture
biochemistry 3069, 5180
protoplasts 5060
***Corchorus depressus,*** plant, composition 3033
***Corchorus olitorius,*** growing media, composition 8709
***Cordia alliodora,*** utilization, shade plants, cocoa 8250-8251
***Cordia myxa,*** plant, composition 6165
***Cordia sinensis,*** plant, composition 6165
***Cordia verbenacea***
leaves, composition 3741
plant, composition 4542
***Cordyline fruticosa***
pests, *Pseudococcus longispinus* 4387
tissue culture, propagation, techniques 3422
***Coreopsis verticillata,*** cultural methods, pot plants 7850
**Coriander** *(see Coriandrum sativum)*
***Coriandrum sativum***
cultural methods, Romania 3030
harvesting, harvesting date, assessment 7966
insecticides, residues 1664
intercropping, cauliflowers 4155
irrigation, responses 7966
leaves, composition 5628
photosynthesis, biochemistry 2300
plant, composition 509, 5317, 9050
production, Turkey 5103
seeds
composition 2946, 3013, 3655
sowing
sowing date 7966
spacing 1058
techniques 1058
tissue culture, biochemistry 6868
***Coriaria myrtifolia,*** leaves, histology 1120
***Coridius janus, Lagenaria siceraria*** 5740
***Coriolus versicolor,*** composition 2185
**Corms**
development
growth regulators, *Gladiolus* 5032
temperature, *Freesia* 6804
dormancy, physiology, *Crocus sativus* 6863
production
cultural methods
*Anemone coronaria* 1594-1595
*Crocus* 2949
*Freesia* 4372
*Freesia refracta* 6805
*Gladiolus* 1597-1600, 3567-3568, 5033-5034, 6806-6807
sprouting, growth regulators, *Gladiolus* 6808
storage
temperature
*Freesia refracta* 6805
*Gladiolus* 2951
*Ixia* 2235
**Corms** *cont.*
treatment, growth regulators, *Gladiolus* 3567, 6808
***Cornus alba,*** cultural methods, containers 1630
***Cornus canadensis,*** cultural methods, pot plants 6854
***Cornus capitata,*** plant, composition 6185
***Cornus florida***
frost, resistance, anatomy 37
plant
composition 9140
vascular system 37
planting stock, overwintering 2282
***Cornus mas***
fruits, composition 47
seeds, composition 47
***Cornus sanguinea,*** breeding, selection 7912
***Cornus sericea***
buds, dormancy, physiology 1904
frost, resistance, physiology 7917
planting stock, production, containers 479
***Cornus stolonifera*** *(see Cornus sericea)*
***Coronilla coronata,*** fruits, composition 1121
***Coronilla emerus,*** fruits, composition 1121
***Coronilla juncea,*** fruits, composition 1121
***Coronilla scorpioides,*** fruits, composition 1121
***Coronilla vaginalis,*** fruits, composition 1121
***Coronilla valentina,*** fruits, composition 1121
***Coronilla varia***
fruits, composition 1121
tissue culture, biochemistry 5181
***Coronopus,*** as weeds, onions 7474
***Corozo*** *(see also* Oil palms)
***Corticium,*** populations, growing media, *Volvariella volvacea* 5940
***Corticium salmonicolor, Citrus*** 9260
***Cortinarius largus,*** composition 4473
***Corydalis ambigua,*** seedlings, development, assessment 3070
***Corydalis bungeana,*** plant, composition 1728, 3743
***Corydalis cava,*** tissue culture, metabolites, production 2371
***Corydalis hendersonii,*** plant, composition 567
***Corydalis meifolia,*** plant, composition 9098
***Corydalis ochotensis,*** tissue culture, biochemistry 566
***Corydalis ophiocarpa,*** tissue culture, biochemistry 566
***Corydalis platycarpa,*** tissue culture, biochemistry 566
***Corydalis ramosa,*** roots, composition 568
***Corydalis remota***
tissue culture, propagation, callus 4486
tubers, composition 9141
***Corydalis yanhusuo,*** tubers, composition 3742
***Corylus*** *(see also* Hazelnuts)
***Corylus americana,*** cuttings, sources, etiolation 1032
***Corylus colurna***
landscaping, roadsides 457
planting stock, production, soilless culture 7919
***Corynebacterium michiganense,*** tomatoes 7773
***Coryneum modonium,*** chestnuts 5487
***Corynocarpus similis,*** seeds, composition 3319
***Cosmos bipinnatus,*** salinity, injuries 1562
**Costa Rica,** *Simmondsia chinensis,* cultural methods 8151
***Costus speciosus***
rhizomes
composition 569
dormancy, physiology 8048
production, cultural methods 2372
***Cotinus coggygria,*** plant, development, fasciation 4432
***Cotoneaster,*** reports, German Federal Republic 14-15
***Cotoneaster apiculatus,*** planting stock, production, containers 5070

***Cotoneaster dammeri***
as ground cover plants, assessment 7823
cuttings, rooting, growing media 3615
***Cotoneaster horizontalis,*** cuttings, treatment 6069
***Cotoneaster integerrimus,*** wild plants, utilization 8624
**Coumarins**
characterization
*Aegle marmelos* 538
*Aleurites moluccana* 6908
*Angelica shkiokiana* 3050
*Cleome viscosa* 4484
*Coriandrum sativum* 9050
*Coutarea hexandra* 6935
*Exostema caribaeum* 8065
*Haplophyllum obtusifolium* 8075
*Heracleum brunonis* 3767
*Hydrangea macrophylla* 1634
*Murraya exotica* 1749, 2405
*Peucedanum* 6216
*Pygmaeopremna herbacea* 3794
*Ruta chalepensis* 4520
*Tetradium glabrifolium* 8115
composition
*Adansonia digitata* 533
*Allemanda schottii* 9115
*Amyris lineata* 1709
*Angelica archangelica* 3049
*Artemisia alba* 1064
*Artemisia anomala* 549-550
*Boenninghausenia albiflora* 3054
celery 4983
*Citrus nobilis* 1199
*Coronilla* 1121
*Ferula calcarea* 3080
*Ferula kopetdaghensis* 3081
*Heracleum brunonis* 9161
*Heracleum sphondylium* 2390
*Heracleum thomsoni* 3088
*Lomatium dissectum* 9171
*Mutisia acuminata* 3778
parsnips 3049
*Peucedanum* 6215
*Physochlaina physaloides* 6972
plants, reviews 9106
*Pleiospermium alatum* 4513
pummelos 3838
*Schleichera oleosa* 533
*Senecio nemorensis* 2434
*Seseli rigidum* 5226
extraction
*Artemisia capillaris* 1091
*Fraxinus japonica* 1091
*Fraxinus mandshurica* 1091
metabolism
biochemistry, *Petroselinum crispum* 5106
tissue culture, *Ruta graveolens* 6981
production, tissue culture, *Solanum laciniatum* 3807
**Courgettes** (*see* Marrows)
***Coutarea hexandra,*** plant, composition 6935
**Cover crops**
cultural methods, grapes 2764, 4076-4077
responses
apples 758, 2627
peaches 7300
pecans 7316
raspberries 3304
strawberries 829
**Cowberries** (*see Vaccinium)*
**Cranberries** (*see Vaccinium)*
***Crassula ovata,*** cultural methods, pot plants 432
**Crassulacean acid metabolism** (*see* Photosynthesis, CAM pathway)
***Crataegus***
fruits, composition 3745
landscaping, urban sites 6065
leaves, composition 3744
seeds, quality, assessment 1647
***Crataegus altaica,*** landscaping, USSR 3613
***Crataegus curvisepala,*** fruits, composition 4028
***Crataegus laciniata,*** fruits, composition 4028
***Crataegus laevigata,*** leaves, composition 3071
***Crataegus monogyna***
as rootstocks, *Sorbus* 497
fruits, composition 47
seeds, composition 47
***Crataegus pentagyna,*** fruits, composition 4028
***Crataegus pinnatifida,*** fruits, composition 534
***Crataegus sanguinea***
fruits, composition 1746
wild plants, utilization, USSR 6158
***Crateva religiosa,*** plant, composition 8049
***Cratosomus flavofasciatus,*** oranges 4542
***Cratoxylum ligustrinum,*** plant, composition 6160
***Cratoxylum pruniflorum,*** plant, composition 1729
***Crepis vesicaria,*** plant, anatomy 6903
***Crescentia cujete,*** plant, composition 3706
**Cress**
cultivars
assessment, USSR 2786, 7565
characteristics, USSR 2787
geotropism 886, 3389
plant, composition 4170
roots, cytology 886, 4884
seeds
germination
plant extracts 4440
temperature 3377
***Criconemella,*** peaches 2631
***Criconemella xenoplax,*** grapes 5579
***Criconemoides,*** grapes 7429
***Crinipellis perniciosa,*** cocoa 4574, 6299
***Crinum americanum,*** bulbs, composition 6820
***Crinum asiaticum***
fruits, composition 6936
leaves, spectral data 6825
***Crocidolomia binotalis,*** cabbages 6632
***Crocosmia crocosmiiflora,*** corms, composition 1608, 6937, 8050, 8986
***Crocus,*** corms, production, cultural methods 2949
***Crocus sativus***
corms, dormancy, physiology 6863
cultural methods
labour requirements 5158
mechanization 4475-4476, 6860
economics, India 1060
research 6898
Italy 6861-6862
seeds, development, embryology 1059
tissue culture
metabolites, production 1665
propagation, techniques 3656
***Cronartium ribicola,*** red currants 4031
***Crossandra infundibuliformis,*** mutants, induction, colchicine 7941
***Crotalaria anagyroides,*** as green manures, *Areca* 9305
***Crotalaria incana,*** fruits, composition 3746
***Crotalaria juncea,*** as green manures, *Phaseolus vulgaris* 6673
***Crotalaria medicaginea,*** roots, composition 570
***Crotalaria spectabilis,*** as green manures, coffee 8268
***Croton aromaticus,*** roots, composition 3022
***Croton crassifolius***
plant, composition 9142
roots, composition 4487
***Croton laccifer,*** roots, composition 2373, 5144
***Croton macrostachys,*** seeds, composition 3072
***Croton tiglium***
plant, composition 8005
seeds, composition 4488
***Croton variegatus*** (*see Codiaeum variegatum)*
**Cruciferae**
books, USSR 1245
insecticides
application 3381
pest resistance 8732
**Cruciferae** *cont.*
mycorrhizas 1262
pests
*Brevicoryne brassicae* 8731
control, Australia 7552
*Delia radicum* 3381
*Eurydema* 8731
insects 7552
*Pieris rapae* 7552
plant residues, utilization, soil amendments 7550
***Cryophytum crystallinum*** (*see Mesembryanthemum crystallinum)*
***Cryphonectria parasitica,*** chestnuts 5487, 7289
***Cryptoblabes gnidiella,*** avocados 8165
***Cryptocarya laevigata,*** cultural methods, Australia 5069
***Cryptocline cyclaminis, Cyclamen*** 6024-6025
***Cryptococcus albidus,*** control, of *Botrytis cinerea,* roses 6097
***Cryptodiaphorthe etrusca,*** chestnuts 5487
***Cryptolepis saguinolenta,*** plant, composition 6155
***Cryptoporus volvatus,*** composition 3073
***Cryptosporiopsis malicorticis,*** apples 8483
**Cuba**
cucumbers, cultivars 2841
Orchidaceae, surveys 3602
*Rauvolfia vomitoria,* cultural methods 6223
sugarcane, cultivars 1854-1855, 2564-2565, 6327, 6329
tomatoes, cultivars 4302
**Cucumber mosaic virus**
*Capsicum* 2154, 8855
cucumbers 5706, 6640, 8742
passion fruits 1818
spinach 5648
**Cucumbers**
cold
resistance
cultivars 2837
growth regulators 5723, 5742
physiology 4189, 8757
tests 8428
responses 2083, 5825
cultivars
assessment
Cuba 2841
Denmark 1464
Hungary 3394
Netherlands 6640, 8740-8741
USSR 1463, 2841, 4177-4178, 5616, 7575, 7579
characteristics
Bulgaria 7742
Hungary 3392, 8742
USSR 1465, 2787, 5708, 7580
diseases 1463, 5706, 5708, 6640, 7580, 7742, 8742
germination 6577
growth 2121
nutrition 2119
parthenocarpy 6640
physiology 8757
processing 5708, 6640, 7575, 8741-8742
protected cultivation 2838, 2840, 4177-4178, 7575, 7579, 7742, 8740-8741
soilless culture 4101
temperature 4189
cultural methods
Japan 20
labour requirements 8763
minimum tillage 4097
cuttings
rooting, light 8745
sources, cultural methods 1258
treatment 6642, 8745
cytology 894
diseases
beet pseudo yellows virus 6651
*Botrytis cinerea* 5734, 6652
*Didymella bryoniae* 5734, 6653
*Erysiphe cichoracearum* 9093
*Fusarium oxysporum* f.sp. *cucumerinum* 3399, 7603
*Phomopsis sclerotioides* 8753

**Cucumbers** *cont.*
- diseases *cont.*
  - *Pseudomonas syringae* pv. *lachrymans* 6652
  - *Pseudoperonospora cubensis* 1473, 5738, 6652, 6654-6655, 7604
  - *Pythium ultimum* 1474
  - *Sclerotinia sclerotiorum* 6652
  - *Sphaerotheca fuliginea* 1478, 5739, 9093
- disorders
  - chilling injury 1484
  - chlorosis 5729
- drought, resistance, growth regulators 5723
- electrical properties, diurnal variation 1914
- flowers
  - initiation, growth regulators 4194
  - sex
    - gamma radiation 8760
    - growing media 6648
    - growth regulators 4194
- fruits
  - biochemistry, pollination 2838
  - colour
    - nutrition 5729
    - water relations 4188
  - composition 257, 3220, 5628
  - mechanical properties, physiology 3403
  - set, growth regulators 5723
  - spectral data 8436-8437
- fungicides
  - disease resistance 5734, 6654
  - residues 6657
- growing media, composition 1474, 6648
- growth regulators
  - IAA, physiology 7689
  - paclobutrazol, responses 1469, 5723
  - steroids, responses 8829
- harvesting
  - frequency 3394
  - harvesting date, protected cultivation 5722
  - techniques, mechanical harvesting 8764
  - work studies 8763
- heat, treatment 3401
- herbicides, injuries 5720, 7595
- insecticides, residues 3934
- leaves
  - areas, assessment 2121
  - composition 5904
  - development, physiology 3402
  - physiology 1914
  - spectral data 8436-8437
- mulching
  - materials 3394
  - responses 3394
- nutrition 4895
  - cadmium 6649
  - calcium 894, 5724, 7767
  - lead 6649
  - magnesium 7767
  - manganese 5731
  - nitrogen 893, 2119, 4826, 4894, 5729, 5899, 5904, 7767, 7771, 8752
  - phosphorus 4826
  - potassium 4826
  - trace elements 7767
- packing, techniques 8764
- pests
  - Aleyrodidae 308
  - biological control
    - Italy 179
    - USSR 182
  - *Diaphania nitidalis* 3400
  - *Frankliniella occidentalis* 252, 7607
  - *Liriomyza sativae* 3400
  - Tetranychidae 181
  - *Tetranychus urticae* 252, 7605
  - Thripidae 308
  - *Thrips tabaci* 896
  - *Trialeurodes vaporariorum* 181, 6651, 7188, 8901
- photoperiodism 6645
- photosynthesis
  - carbon dioxide 7609
  - light 1480, 5825, 5827, 7609

**Cucumbers** *cont.*
- photosynthesis *cont.*
  - physiology 3929
  - temperature 248, 2849, 5825-5827, 7609
- plant
  - biochemistry, sugars 7697
  - composition 38, 5743
  - development
    - bacteria 4824
    - biochemistry 897
    - light 32
    - temperature 2119, 2837
  - physiology 254, 7608
- planting, spacing 251
- pollen, tubes, development 3932
- processing, cultivars 5708, 6640, 7575, 8741-8742
- protected cultivation
  - carbon dioxide 895, 3929, 4103, 4632, 5395, 5732, 6644
  - cultivars 2837, 2840, 4177-4178, 8740-8741
  - diseases 5717
  - growing media 5713
  - heating systems 6401
  - humidity 4188, 5724
  - irrigation 4892, 5721
  - labour requirements 8763
  - light 255, 3929, 6645
  - nutrition 893, 4895, 5724
  - pests 179, 5717, 8901
  - planting, systems 8763
  - pollination 2851
  - rotations 964, 4282
  - spacing 7598
  - systems
    - greenhouses 6390
    - plastic fabric 5622
    - plastic film 5622, 5722, 8747
    - plastic tunnels 5717
  - temperature 248, 2117
  - training 7598
  - ventilation 5732
- reports, German Federal Republic 17
- rhizosphere, microorganisms 4824
- roots
  - composition 8758
  - development
    - assessment 5741
    - growth regulators 7610
  - physiology 253, 4897
- rotations 4282
- salinity, responses 2914, 3932, 5724, 5904
- sap, composition 2914
- seedlings
  - development
    - allelopathy 1468
    - growth regulators 5407
    - phenolic compounds 253
    - physiology 2848, 4898, 8903
  - production, cultural methods 5713
- seeds
  - biochemistry, growth regulators 5712
  - composition 1080, 4901, 5710
  - germination
    - biochemistry 5712, 6641
    - inhibitors 7997
    - physiology 5712, 8903
    - temperature 6577
  - production, extraction 2790
  - quality, assessment 5617
  - storage, physiology 4816, 5711
  - treatment 890, 2116, 4097, 5720, 8760
- soil temperature, responses 2117
- soil types 7595
- soilless culture
  - cultivars 8740
  - disorders 5729
  - economics 8667
  - growing media 2118, 5713, 6648, 7599, 8943
  - irrigation 7599
  - nutrient solutions
    - composition 3495
    - salinity 2118, 7771
  - nutrition 4894, 5729, 7771, 8752

**Cucumbers** *cont.*
- soilless culture *cont.*
  - systems
    - assessment 8667, 8751
    - nutrient film techniques 2118, 4101, 8740
- staking, responses 251
- storage
  - biochemistry 1484
  - diseases 8765
  - disorders 1407, 1484, 8765
  - systems, cold storage 257
  - treatment 257, 1484
- tissue culture
  - culture media 6661
  - propagation
    - cell suspensions 7589
    - embryos 7588
    - protoplasts 7590
- training, responses 3394
- translocation, photoperiodism 1480
- transpiration, measurement 5721
- water relations
  - lead 6667
  - protected cultivation 4188
  - temperature 2083
- weed control 176, 3352, 5719

***Cucumis*** (*see also* Cucumbers; Melons)

***Cucumis anguria,*** seeds, treatment 4180

***Cucurbita*** (*see also* Marrows; Pumpkins; Squashes)
- cultivars, biochemistry 7443
- fruits, composition 7443
- roots, development, assessment 5741
- seedlings, development, biochemistry 6660

***Cucurbita ficifolia,*** cold, resistance, physiology 4189

***Cucurbita foetidissima***
- products, fuels 7614
- roots, composition 5148

***Cucurbita maxima***
- cultivars, assessment, USSR 4175
- flowers, composition 4192
- growth regulators
  - ABA, biosynthesis 5766
  - cytokinins, determination 900
- herbicides, tolerance 7596
- leaves, composition 5766
- nutrition
  - iron 4899
  - nitrogen 5727
  - phosphorus 2846, 3398
  - potassium 2846
- plant
  - development
    - mathematical models 3398
    - phenology 246
- pollution, nitrogen oxides 6643
- reports, New Zealand 1892
- seedlings, development, water relations 898-899
- seeds
  - composition 1080
  - production, extraction 2790
- water relations, physiology 898-899

***Cucurbita moschata***
- cold, resistance, biochemistry 1482
- cultivars
  - assessment, USSR 4175
  - characteristics, India 5709
- herbicides, tolerance 7596
- nutrition
  - manganese 5731
  - nitrogen 2845
- plant, composition 902

***Cucurbita pepo***
- cultivars
  - assessment, USSR 4175
  - protected cultivation 2839
- disorders, chilling injury 2124
- electrical properties, physiology 6659
- fruits, composition 4198
- growth regulators, auxins, translocation 901
- herbicides
  - physiology 901
  - tolerance 7596
- irrigation, fertilizers, application 2844
- mulching, responses 5725

***Cucurbita pepo** cont.*
nutrition
nitrogen 861, 2844, 5725
phosphorus 5725
potassium 5725
optical properties 3221
plant
biochemistry, growth regulators 7613
composition 2122, 2850
protected cultivation
spacing 3395
temperature 3395
roots, development, assessment 5741
seedlings
development
biochemistry 7612, 8759
growth regulators 1483
treatment 1481
seeds
biochemistry, growth regulators 1467
composition 4900
production, handling 3406
sowing
sowing date 245
spacing 245
storage, physiology 4816
soil amendments 4184
soil pH, responses 4184
storage
systems
cold storage 2124
controlled atmosphere storage 2124
weed control 891
**Cucurbitaceae**
diseases
*Erysiphe cichoracearum* 5735, 6397
*Sphaerotheca fuliginea* 5735
pests, control, Australia 7606
protected cultivation, diseases 6397
***Cudrania cochinchinensis,*** plant, composition 5182
***Culcasia,*** roots, anatomy 1024
**Cumin** (*see Cuminum cyminum)*
***Cuminum cyminum***
cultivars, assessment, India 9051
diseases, *Fusarium oxysporum* f.sp. *cumini* 9052
nutrition
nitrogen 3006
phosphorus 3006
plant, composition 6164
seeds
composition 6186
sowing, sowing date 5105
treatment 9052
taxonomy, morphology 5104
***Cupressocyparis leylandii,*** planting stock, production, containers 2265
***Curculio caryae,*** pecans 8567
***Curcuma,*** reports, India 7134
***Curcuma aromatica,*** tissue culture, propagation, techniques 7953
***Curcuma longa***
cultivars
assessment, India 9055-9056
characteristics, Japan 9053
intercropping
*Cajanus cajan* 9054
*Vigna radiata* 9054
mulching, responses 9054
nutrition 6864
nitrogen 2301
plant, composition 4465
planting stock, types, assessment 2301
rhizomes
composition 1666, 9053
treatment 1667
tissue culture, propagation, techniques 7953
***Curcuma wenyujin,*** plant, composition 3074
***Curcuma xanthorrhiza,*** rhizomes, composition 2374
***Curcuma zedoaria,*** tissue culture, propagation, techniques 7953
**Currants** (*see also* Black currants; Red currants; White currants)
**Currants** *cont.*
harvesting, techniques, mechanical harvesting 2705
pests, insects 7334
wild plants, utilization, USSR 6158
***Curvularia clavata, Capsicum*** 3482
***Curvularia pallescens, Callistephus chinensis*** 6007
***Cuscuta chinensis,*** plant, composition 2375
***Cuscuta gronovii***
as weeds
carrots 8607
*Vaccinium* 8610
*Vaccinium macrocarpon* 8607
***Cuscuta monogyna***
as weeds
fruit crops 8395
olives 8395
**Cut flowers**
biochemistry, roses 477
breeding, *Narcissus* 6813
cultivars, *Lilium* 8980
drying, *Limonium sinuatum* 3559
economics
India, chrysanthemums 7840
Netherlands
chrysanthemums 1568
*Lilium* 412
handling
*Gypsophila paniculata* 3557
*Iris* 7863
*Zantedeschia* 2240
marketing
chrysanthemums, India 7840
ornamental plants
Canada 7833
Europe 7833
USA 7833
physiology
carnations 379, 5984-5985
reviews 5983
roses 1640
*Zantedeschia* 2240
preservatives
carnations 376, 3542, 5983
*Chrysanthemum frutescens* 7849
*Delphinium* 8950
*Gerbera* 995
*Heliconia* 8950
*Kalanchoe quartiniana* 8950
*Nerine bowdenii* 413
roses 476, 7935
*Trachelium caeruleum* 8950
production
Australia, carnations 5961
Colombia, carnations 5953
cultural methods
*Achillea* 1004
*Achillea millefolium* 1004
*Antirrhinum* 393
*Calendula officinalis* 393
carnations 5002, 5954, 5957, 5975, 5982
chrysanthemums 8954
*Eustoma grandiflorum* 6010, 6792
*Freesia* 4372
*Freesia refracta* 6805
*Gerbera* 384, 5010-5011, 7842
*Gladiolus* 2226, 5033-5034, 6807, 7862, 8973
*Gloriosa* 6821
*Liatris pycnostachya* 1004
*Lilium* 412
*Narcissus* 6814
ornamental plants 3536, 6784
*Papaver nudicaule* 5023
*Physostegia virginiana* 1004
*Platycodon grandiflorus* 5024
*Polianthes tuberosa* 2237-2239, 2959
roses 1045, 2278, 7933, 9042
*Salvia leucantha* 1004
*Tagetes erecta* 393, 7855
*Trachelium caeruleum* 6019
tulips 414, 1606
France, carnations 5971
India, chrysanthemums 7840
Italy
*Anemone coronaria* 1594-1595
*Iris* 3569
**Cut flowers** *cont.*
production *cont.*
Japan
chrysanthemums 1563
*Gloriosa rothschildiana* 6821
Kenya, carnations 5955
planting stock, *Narcissus pseudonarcissus* 7873
protected cultivation
*Achillea ptarmica* 1583
*Agapanthus africanus* 6005
*Alstroemeria* 4378, 7877
*Anemone coronaria* 404
*Antirrhinum* 393
*Calendula officinalis* 393
carnations 5954-5955, 5957, 5961
chrysanthemums 1575, 1577
*Clematis* 481
*Cymbidium* 449
*Gerbera* 5009, 5993
*Gloriosa* 6821
*Gypsophila paniculata* 6012
*Iris* 3569
*Ixia* 2235
*Lilium* 2953, 6811
*Narcissus* 6814
*Phalaenopsis* 450
roses 474, 1046, 2994, 3638, 5732, 6098, 6851
*Salvia farinacea* 1583
*Tagetes erecta* 393
tulips 1606, 6033
*Verbena bonariensis* 1583
soilless culture
chrysanthemums 1568, 8953
*Cymbidium* 451
*Eustoma grandiflorum* 6011
Turkey, carnations 5959
reports, New Zealand 734, 1892
responses, growth regulators, *Zantedeschia* 2240
senescence
carnations 376, 378, 989-991, 1900, 2204-2206, 5983, 8951
*Narcissus* 4377
reviews 2279
roses 1640, 5081
tulips 4377
storage
carnations 5983
*Iris* 7863
ornamental plants 8673
roses 1640
vase life
carnations 990, 3542, 5983, 5985-5986
*Chrysanthemum frutescens* 7849
*Delphinium* 8950
*Gerbera* 995
*Heliconia* 8950
*Kalanchoe quartiniana* 8950
roses 474, 476, 7935
*Trachelium caeruleum* 8950
water relations, *Gypsophila paniculata* 3557
**Cut foliage**
marketing
ornamental plants
Canada 7833
Europe 7833
USA 7833
preservatives
*Arachniodes adiantiformis* 4392
*Asparagus densiflorus* 5057
ornamental plants 1025
production, cultural methods, *Eucalytpus* 9044
reports, German Federal Republic 732
storage
*Arachniodes adiantiformis* 4392
*Asparagus densiflorus* 5057
vase life
*Asparagus densiflorus* 5057
*Eucalyptus* 6105
ornamental plants 1025
**Cuticle**
composition, *Ficus lyrata* 1028
physiology
*Clivia miniata* 4657
*Ficus elastica* 4657

**Cuticle** *cont.*
physiology *cont.*
horticultural crops 4656, 4658
sour oranges 4654
tomatoes 4969, 7670, 7788
**Cutin,** metabolism, biochemistry, *Clivia miniata* 6819
**Cuttings**
callus
development
grapes 841, 2054, 7386
peaches 8537
cultural methods
apples 5508
*Dieffenbachia maculata* 5058
*Dracaena bruantii* 5059
*Euonymus japonicus* 483
nectarines, reviews 8536
ornamental plants 4346
peaches, reviews 8536
pears 5508
*Physocarpus malvaceus* 3649
*Prunus serrulata* 6116
*Simmondsia chinensis* 9231
development
anatomy, chestnuts 3999
diurnal variation, *Simmondsia chinensis* 9239
flooding, sugarcane 712
growth regulators, roses 2991
nutrition, grapes 2054
photoperiodism, *Acer rubrum* 4427
micropropagation
apples 58
avocados 6240
cocoa 685
olives 9287
plums × *Prunus spinosa* 4021
physiology
coffee 8263
olives 8216
*Pelargonium* 6781
*Pyrus pyrifolia* 8560
woody plants 7915
production
techniques
apples 2622
foliage plants 6383
*Gerbera* 2270
poinsettias 2270, 7928
*Rhododendron* 6087
*Rhododendron japonicum* 472
tea 3898, 6350
rooting
aeration
chrysanthemums 4354
*Ficus benjamina* 4354
biochemistry
conifers 464
pineapples 2560
cultivars
grapes 153
*Hibiscus rosa-sinensis* 3000
olives 8215
plums 2699
red currants 2707
roses 3633
cultural methods, black currants 7341
fog
raspberries 824
*Simmondsia chinensis* 8149
growing media
carnations 2202
*Dieffenbachia maculata* 5058
*Dracaena bruantii* 5059
*Enkianthus* 3642
*Hibiscus rosa-sinensis* 3000
*Lonicera* 3644
olives 9285
peaches 5490
temperate fruits 1271
*Vaccinium* 2031
woody plants 3615
humidity
subtropical crops 9303
tropical crops 9303
juvenility, avocados 2464
light
cucumbers 8745
*Rhododendron catawbiense* 1040

**Cuttings** *cont.*
rooting *cont.*
mist
chrysanthemums 4354
coffee 9303
*Ficus benjamina* 4354
*Lonicera* 3644
raspberries 824
*Salvia officinalis* 6879
tea 3893
orientation, *Piper nigrum* 6125
physiology
*Acer* 4426
*Alnus glutinosa* 4429
coffee 8263
*Forsythia* 5092
salinity, grapes 7382
seasonal variation
*Alnus glutinosa* 4429
coffee 8263
*Dieffenbachia maculata* 5058
*Dracaena bruantii* 5059
*Ficus retusa* 5089-5091
*Forsythia mandschurica* 5092
grapes 7383
*Hedera helix* 7925
olives 8217, 9286
peaches 5490
red currants 6515
*Rosa* 2275
roses 7932
tea 6350
seasons, cocoa 8247
size, *Schefflera arboricola* 9008
temperature
kiwifruits 124
mulberries 5488
sources
assessment
cocoa 8247
*Epipremnum pinnatum* 6053
grapes 7381
kiwifruits 8594
olives 8217
peaches 5490
*Schefflera arboricola* 1623, 9009
cultural methods
*Anthurium andreanum* 6006
carnations 5974
grapes 7384
mulberries 4725
ornamental plants 1579
*Phaseolus vulgaris* 2861
plants, reviews 1255, 1258
tea 1238
woody plants 1629
etiolation
avocados 5250
chestnuts 3999
pecans 6501
plants, reviews 1256
raspberries 824
woody plants 1032
juvenility, woody plants 459
ringing
avocados 5250
lemons 3124
limes 7019
wounds, chestnuts 3999
storage
*Codiaeum variegatum* 2249
conifers 464
grapes 153, 7383, 7391
*Pelargonium* 2210
*Physocarpus malvaceus* 3649
*Simmondsia chinensis* 9239
transport, *Codiaeum variegatum* 2249
treatment
ascorbic acid
cucumbers 8745
hazelnuts 790
*Simmondsia chinensis* 8150
boric acid
chestnuts 3999
*Simmondsia chinensis* 8150
boron
*Ficus retusa* 5090-5091
pears 4743
plums 4020
chlororesorcinol, *Pelargonium* 6781

**Cuttings** *cont.*
treatment *cont.*
cold
grapes 7383
*Hippophae rhamnoides* 2047
cyclophosphamide, peaches 8537
disbudding
*Ficus retusa* 5091
pears 4743
fungicides
hops 3690
sugarcane 5339
growth regulators
*Acer* 4426
*Alnus glutinosa* 4429
*Artemisia dracunculus* 4443
*Atropa belladonna* 2348
avocados 2463, 5250
*Boehmeria nivea* 7991
cherries 2656
chestnuts 3999
*Citrus limettioides* 8171
*Dieffenbachia maculata* 5058
*Dracaena bruantii* 5059
*Enkianthus* 3642
*Epipremnum pinnatum* 438
*Ficus retusa* 5089-5091
*Forsythia* 5092
grapes 153, 7381, 7383-7384
guavas 5307
hazelnuts 790
*Hedera helix* 7925
*Hibiscus rosa-sinensis* 3000
*Hippophae rhamnoides* 6534
kiwifruits 124
lemons 3124
limes 7019
mangoes 9352
olives 8215-8217, 9286
peaches 5490, 8537
pears 4743, 7311
pecans 6501
*Phaseolus vulgaris* 4909
*Physocarpus malvaceus* 3649
*Piper nigrum* 6125
plums 4020
pomegranates 7051
*Pyrus pyrifolia* 8560
*Rhododendron* 3631
*Rosa* 1073
roses 2991, 3634, 7932
*Simmondsia chinensis* 8150
sugarcane 9382
*Syngonium podophyllum* 445
*Vaccinium* 2031
woody plants 6069
heat
*Epipremnum pinnatum* 438
foliage plants 6826
*Hippophae rhamnoides* 6534
mangoes 9352
light
chrysanthemums 5988
*Epipremnum pinnatum* 438
foliage plants 6826
phenolic compounds
lemons 3124
limes 7019
plums 4020
pyrogallol, pears 4743
sodium lignate, *Gardenia jasminoides* 2285
sugars, cucumbers 8745
sulphuric acid, *Simmondsia chinensis* 8150
ultrasonics, *Rosa* 1044
vitamin B
cucumbers 8745
*Ficus retusa* 5090-5091
pears 4743
vitamins
chestnuts 3999
cucumbers 6642
water
cherries 5483
grapes 7391
waxes, grapes 2057
wounds
mangoes 9352
olives 9286
peaches 5490

**Cuttings** *cont.*
types
leaf bud cuttings
*Epipremnum pinnatum* 438
guavas 5307
leaf cuttings, *Streptocarpus hybridus* 1591
root cuttings
apples 1933
*Papaver bracteatum* 3099
summer cuttings
cherries 2656
grapes 4791
*Hippophae rhamnoides* 2047, 2746, 7371
*Lonicera* 3644
olives 8215
*Physocarpus malvaceus* 3649
plums 816, 2699
raspberries 824
red currants 2707
*Rosa* 1073
roses 7932
*Tanacetum vulgare* 3816
woody plants 2982
winter cuttings
apples 1933
avocados 2463
grapes 4791
guavas 5307
*Hippophae rhamnoides* 2047, 2746, 7371
mulberries 5488
olives 8215, 9288
*Physocarpus malvaceus* 3649
red currants 2707
*Rosa* 2275
roses 7932
***Cyamopsis tetragonoloba***
growth regulators, chlormequat, responses 2136
growth retardation, growth regulators 7156
nutrition
nitrogen 2136, 2869
phosphorus 2136
zinc 1498
plant, development, mathematical models 7653
seeds
germination
salinity 7652
temperature 7652
soil compaction, responses 8801
water relations, physiology 2869
**Cyanamide**
responses
apples 4695
grapes 2052, 3343
peaches 6486
plums 120
woody plants 1904
**Cyanide,** responses, apples 8460
**Cyanogens**
characterization, *Ilex aquifolium* 6844
composition
almonds 8452
*Amelanchier alnifolia* 6509
***Cyathea,*** spores, germination 3587
***Cyathea dregei,*** propagation, techniques 435
***Cyathea gigantea,*** tissue culture, propagation, techniques 3592
***Cyclamen***
books 6369
cultivars, assessment, German Federal Republic 6803
cultural methods, pot plants 434
diseases, *Cryptocline cyclaminis* 6024-6025
fungicides, disease resistance 6025
protected cultivation, energy conservation 4633
reports, German Federal Republic 14, 3216
seeds, treatment 2223
***Cyclamen persicum***
cultivars
germination 407, 3566
propagation 408
cultural methods, pot plants 5030
***Cyclamen persicum*** *cont.*
nutrition, nitrogen 8970
reports, German Federal Republic 15
sap, composition 8970
seedlings, production, growing media 3566
seeds, germination 3566
tissue culture
organogenesis 4369
propagation, techniques 408
***Cycloconium oleaginum,*** olives 4558, 6269
***Cyclosorus contiguus,*** tissue culture, propagation, responses 3591
***Cydia funebrana,*** plums 118, 8582
***Cydia nigricana,*** peas 276
***Cydia pomonella***
apples 67, 7239, 7249, 8498-8500, 8504
stone fruits 4740
***Cydonia*** (*see also* Quinces)
***Cydonia japonica*** (*see Chaenomeles japonica*)
***Cydonia sinensis,*** fruits, flavour, biochemistry 4024
***Cylindrocarpon***
*Cyclamen* 434
roses 475
***Cylindrocarpon destructans,*** apples 6443
***Cylindrocladium,*** roses 475
***Cylindrocladium spathiphylli,*** *Spathiphyllum* 2260
***Cymbidium***
buds, development, temperature 7911
chimaeras 6059
cultivars, flowering 449
cut flowers
production
protected cultivation 449
soilless culture 451
flowers
initiation, temperature 7911
morphology 6062
physiology 454
growth regulators, ethylene, metabolism 454
mycorrhizas 5398
nutrition, nitrogen 7911
seeds, germination, culture media 6059
soilless culture, growing media 8943
tissue culture
culture media 6059
organogenesis 6059
propagation
meristems 3608
techniques 2262, 9015
***Cymbidium faberi***
hybrids, germination 6059
propagation, techniques 9015
***Cymbidium floribundum***
propagation, techniques 9015
seeds, germination, culture media 6059
***Cymbidium forrestii,*** propagation, techniques 9015
***Cymbidium goeringii,*** propagation, techniques 9015
***Cymbidium hakuran,*** propagation, techniques 9015
***Cymbidium insigne,*** propagation, techniques 9015
***Cymbidium kanran,*** tissue culture, propagation, micropropagation 6058
***Cymbidium rectum,*** characteristics 9013
***Cymbidium sinense,*** propagation, techniques 9015
***Cymbopogon***
leaves, composition 2309
nutrition
nitrogen 2308
phosphorus 2308
***Cymbopogon citratus***
plant, composition 3675, 4452
soilless culture
growing media 4453
systems, hydroponics 2310
***Cymbopogon distans,*** taxonomy, chemotaxonomy 7975
***Cymbopogon flexuosus,*** plant, composition 4452
***Cymbopogon martinii***
plant, composition 3666, 4454
taxonomy, chemotaxonomy 7976
***Cymbopogon osmastonii,*** plant, composition 4452
***Cymbopogon pendulus,*** plant, composition 4452
***Cymbopogon proximus,*** plant, composition 571
***Cymbopogon winterianus,*** plant, composition 4452
***Cymopolia barbata,*** composition 1122
***Cynara*** (*see also* Globe artichokes)
***Cynodon,*** cultivars, shade 4380
***Cynodon dactylon***
as weeds
*Gladiolus* 1600
grapes 4791
lawns and turf 3582, 4386, 6039
olives 666
vegetables 3352
cultivars, herbicides 3580
establishment 3583
herbicides
injuries 3577
tolerance 2244, 3580
plant, composition 9143
planting, seasons 3583
transpiration, measurement 6045
utilization, lawns and turf 8988
weed control 1612, 2243, 2965, 3577-3579
***Cynodon dactylon* × *Cynodon transvaalensis***
as weeds, lawns and turf 6039
cold
resistance
growth regulators 6824
nutrition 6824
colour
growth regulators 6824
nutrition 6824
cultural methods, golf courses 6823
oversowing 2245, 6823
transpiration, measurement 6045
weed control 2965
**Cyperaceae,** landscaping, Czechoslovakia 2200
***Cyperus,*** as weeds, olives 3156
***Cyperus articulatus,*** rhizomes, composition 2376
***Cyperus esculentus***
as weeds
fruit crops 848
horticultural crops 8393
woody plants 6071, 9030
***Cyperus iria,*** as weeds, grapes 4791
***Cyperus kyllingia,*** as weeds, lawns and turf 8988
***Cyperus microiria,*** as weeds, *Capsicum* 2151
***Cyperus rotundus***
as weeds
*Capsicum* 5882
lawns and turf 2965
olives 666
strawberries 4775
sugarcane 1232
tomatoes 5882
***Cyphomandra*** (*see also* Tamarillos)
***Cyrtomium falcatum,*** tissue culture, propagation, techniques 3595
***Cyrtopodium,*** tissue culture, propagation, micropropagation 9016
***Cyrtostylis,*** taxonomy, nomenclature 6057
***Cystoseira spinosa,*** composition 6187
***Cytisus,*** tissue culture, propagation, micropropagation 7942
***Cytisus purpureus,*** plant, composition 2605
***Cytisus scoparius,*** plant, composition 2605
**Cytochromes**
biochemistry
peas 5654
spinach 5653, 5655, 5659
composition, peas 3439
metabolism, biochemistry, Jerusalem artichokes 2101
**Cytology**
*Amaryllis belladonna* 3427
apples 66, 2633
*Aranda* 1031
*Asparagus* 947
avocados 2503
*Capsicum* 4940

**Cytology** *cont.*
carrots 8926
*Commiphora wightii* 565
cress 886, 4884
cucumbers 894
*Fatshedera lizei* 1617
*Fatsia japonica* 1617
*Gasteria verrucosa* 5042
*Gloriosa superba* 6034
grapes 165
*Haemanthus katherinae* 3427
*Hedera helix* 1617
*Hevea* 1230
hyacinths 2227, 6809
*Impatiens* 1588
*Iris pseudacorus* 6030
Jerusalem artichokes 2815, 7508
*Kalanchoe daigremontiana* 2254
*Lathyrus* 6013
*Lilium longiflorum* 6032, 7869
mangoes 702
nectarines 5499
olives 2540
onions 2093-2094, 2797, 6587, 6589, 7482-7484, 8687-8688, 9216
*Ophrys lutea* 5068
*Origanum dictamnus* 3782
ornamental plants 4349
peaches 5496
peas 277, 933-934, 1508, 3427, 4250, 5808, 7676
persimmons 675-676
*Phaseolus coccineus* 4910
*Phaseolus vulgaris* 934, 2130, 3418, 6668, 8767
plants, reviews 1913
pumpkins 1466
quinces 4755
*Ruellia tweediana* × *Ruellia tuberosa* 2291
*Silene coeli-rosa* 1589, 7676
spinach 2804, 2807-2808, 8708
*Stanhopea* 452
*Strelitzia reginae* 1590
temperate fruits 3974
*Tradescantia virginiana* 3563, 6020
*Trillium kamtschaticum* 3576
*Vicia faba* 3427, 4915, 5772, 8794
*Washingtonia filifera* 6119-6120
watermelons 8762
***Cytospora personata,*** apples 8483
***Cytospora sacculus,*** pears 4748
**Cytotoxic compounds**
characterization
*Annona densicoma* 546
*Anopterus glandulosa* 8024
*Baccharis megapotamica* 8030
*Brucea antidysenterica* 8031
*Combretum caffrum* 1727
*Fagara macrophylla* 8066
*Grifola frondosa* 1135
*Panax pseudoginseng* 8087
*Plectranthus latifolius* 604
*Schisandra propinqua* 9202
*Taxus mairei* 1174
*Thalictrum sessile* 6999
*Tricholoma saponaceum* 3117
composition
*Agrostistachys hookeri* 9114
algae 2363, 6157
*Alpinia galanga* 8021
*Angelica archangelica* 3049
*Arnebia hispidissima* 6165
*Blumea balsamifera* 5166
*Brosimopsis oblongifolia* 3055
*Brucea antidysenterica* 9126
cabbages 5694
*Calendula officinalis* 5167
*Canella winterana* 5171
*Catha edulis* 5173
*Colchicum cornigerum* 8047
*Combretum caffrum* 1118
*Cordia myxa* 6165
*Cordia sinensis* 6165
*Crocosmia crocosmiiflora* 8050
*Cryptoporus volvatus* 3073
*Cuscuta chinensis* 2375
*Dalbergia candenatensis* 1123
*Duguetia panamensis* 9150
*Echium angustifolium* 6165
*Eriope macrostachya* 1129

**Cytotoxic compounds** *cont.*
composition *cont.*
*Euphorbia garuana* 6195
*Euphorbia royleana* 6195
Euphorbiaceae 5192
*Grifola frondosa* 1134
*Haplophyllum tuberculatum* 1739
*Heliotropium ellipticum* 2389
kale 5694
*Lentinula edodes* 984
*Mallotus japonicus* 9174
*Momordica charantia* 2398
*Ocimum basilicum* 8082
*Onopordum tauricum* 6967
*Panax pseudoginseng* 596-597
*Paramichelia baillonii* 8091
*Pararistolochia flos-avis* 602, 8092
parsnips 3049
*Periploca sepium* 5214
pineapples 5331
plants 1095, 5408
*Plectranthus macrocalyx* 605
*Podophyllum* 6218
*Pseudogynoxys cunninghamii* 610
*Rhazya stricta* 6978
*Schismus barbatus* 6165
*Strychnos trinervis* 2442
*Thalictrum* 3818
*Thapsia garganica* 5248
*Trichodesma ehrenbergii* 6165
*Trichosanthes kirilowii* 2398
*Viscum cruciatum* 1183
**Czechoslovakia**
apples
cultural methods, books 6368
diseases, control 1301
pests, control 1301
apricots
cultivars 1969
cultural methods 1967
*Arctostaphylos uva-ursi*
cultivars 6912
cultural methods 6912
*Centaurium erythraea,* cultural methods 2361
*Chamomilla recutita,* cultural methods 3015
cherries
diseases, control 1301
pests, control 1301
grapes, cultural methods 8625
hazelnuts, cultivars 1326
leeks
cultivars 3358
cultural methods 3358
ornamental bulbs, cultivars 2221
peaches
cultivars 1969
research 1984
peas, cultivars 7655
*Rhododendron,* cultivars 3630
roses, cultivars 2274
*Sambucus nigra,* cultivars 1359
temperate fruits, production 2610
***Daboecia,*** reports, German Federal Republic 3216
***Dactylis glomerata,*** as weeds, olives 666
***Dactylium dendroides,*** mushrooms 4339
***Dactylorchis*** *(see Dactylorhiza)*
***Dactylorhiza,*** seeds, germination, culture media 3609
***Dactylorhiza maculata,*** seeds, composition 3605
***Dacus,*** pawpaws 3885
***Dacus cucurbitae***
melons 8754
peaches 8505, 8551
***Dacus oleae***
olives 668-669, 2534, 2539
reviews 5288
***Dacus tryoni,*** fruit crops 7182
***Dahlia,*** tissue culture, explants, sources 3535
***Dahlia pinnata***
cultivars, diseases 4370
diseases, *Alternaria* 4370
***Dalbergia candenatensis,*** plant, composition 1123
***Dampiera***
herbicides, injuries 6072
weed control 6072

**Damsons**
as rootstocks, peaches 5497
fruits, composition 47
leaves, composition 8168
seeds, composition 47
***Daphne cneorum***
nutrition
calcium 1050
nitrogen 1050
phosphorus 1050
potassium 1050
***Daphne genkwa,*** roots, composition 1124
***Daphne mezereum***
nutrition
calcium 1050
nitrogen 1050
phosphorus 1050
potassium 1050
***Daphne odora***
plant, composition 3023
roots, composition 3023, 3075
***Daphnopsis sellowiana,*** leaves, composition 9144
**Dark**
responses
peas 8827
*Senecio hybridus* 7853
*Silene coeli-rosa* 1589
***Dasineura amaramanjarae,*** mangoes 5317
***Datana major,*** *Rhododendron* 6849
**Dates**
cultivars
diseases 4554
nutrition 660
fruits
drop, growth regulators 1207
quality, nutrition 2527
ripening
acetic acid 1208
sodium chloride 1208
set, pollination 9279
size, growth regulators 1207
thinning, techniques 2529
intercropping
limes 2528
mangoes 2528
irrigation, water, salinity 3152
nutrients
absorption
growth regulators 660
sulphur 9278
nutrition
iron 1206
nitrogen 2527
potassium 2528
sulphur 9278
pests
*Carpophilus* 1811
*Ectomyelois ceratoniae* 3153, 3855
*Oligonychus afrasiaticus* 3854
pollen, germination, culture media 9279
pollination, cultivars 9279
reports, Nigeria 8384
salinity, responses 3152
seeds
cytology 6262
development, embryology 1812
germination, biochemistry 6262
soil types 9278
storage
diseases 8209
packing 8209
treatment 3227, 8209
tissue culture
embryogenesis 658, 2526
propagation
callus 659
techniques 1810, 3867
storage 659
***Datura candida***
flowers, composition 6938
leaves, morphology 6188
***Datura fastuosa***
cultural methods
India 9099
Romania 3030
plant, composition 5183
tissue culture
biochemistry 5150
organogenesis 3747

***Datura metel***
leaves, composition 6891
nutrition, nitrogen 9145
plant, composition 2377, 9145
tissue culture, propagation, techniques 3085
***Datura stramonium***
cultural methods
Denmark 9107
India 9099
grafting, unions, anatomy 1253
nutrition 5186
chromium 5184-5185
nitrogen 9145
plant, composition 3702, 5140, 5183, 9081, 9145
plant extracts
application
aubergines 3699
lemons 1807
seeds
physiology 4489
production, cultural methods 5184
tissue culture, metabolites, production 2378, 3748
***Daucus*** (*see also* Carrots)
***Davallia trichomanoides,*** plant, composition 4395
***Davidsonia pruriens,*** cultural methods, Australia 5069
***Daviesia latifolia,*** leaves, composition 9146
**Deblossoming**
responses
apples 1957
mangoes 7083
*Phaseolus vulgaris* 3413
***Decaspermum parvifolium,*** cultural methods, Australia 5069
**Deer mice,** apples 1954
**Defoliation**
cyanamide, grapes 857
growth regulators, swedes 239
responses
apples 774, 1293, 2638, 4694, 5451, 5460, 7258
atemoyas 8230
cabbages 4882
grapes 854, 1402, 2066, 2778, 3341-3342, 6553
guavas 8281
mangoes 6312
peaches 1293, 1338
*Phaseolus vulgaris* 3413
stone fruits 2662
strawberries 5552, 7367
temperate fruits 748-749
tomatoes 342, 6753
*Vicia faba* 2867
woody plants 4424
***Dehaasia kurzii,*** plant, composition 6189
***Delia platura,*** *Phaseolus vulgaris* 7638, 8777
***Delia radicum***
broccoli 8728
Brussels sprouts 8730
cabbages 17, 7802
cauliflowers 8729-8730
Chinese cabbages 8728
Cruciferae 3381
kohlrabi 17
radishes 889, 8728
***Delphinium***
cut flowers, vase life 8950
diseases, *Pseudomonas syringae* pv. *delphinii* 6772
reports, German Federal Republic 14
taxonomy, chemotaxonomy 739
***Delphinium confusum,*** plant, composition 3749
***Delphinium staphisagria,*** seeds, composition 1730
***Delphinium ternatum,*** plant, composition 6939, 9147
***Dendranthema indicum*** (*see* Chrysanthemums)
***Dendranthema morifolium*** (*see* Chrysanthemums)
***Dendrobium,*** flowers, colour, biochemistry 455, 6839
***Dendrobium chrysanthum,*** plant, composition 7910
***Dendrobium senile,*** cultural methods, pot plants 1626
***Dendrocalamus latiflorus,*** production, Taiwan 6762
**Denmark**
*Arabis caucasica,* cultivars 6787
*Borago officinalis,* cultural methods 9107
Brussels sprouts, cultivars 1444
cauliflowers, cultivars 7795
cucumbers, cultivars 1464
*Datura stramonium,* cultural methods 9107
pot plants, pests, control 1561
radishes, cultivars 1455
raspberries, economics 1364
rhubarb, cultivars 4279
roses, cultivars 1043
temperate fruits, rootstocks 6415
*Trigonella foenum-graecum,* cultural methods 9107
**Desiccants,** magnesium chlorate, onions 866
***Desmia funeralis,*** grapes 8630
***Desmodium adscendens,*** plant, composition 2379
***Desmodium gangeticum,*** plant, composition 8051
***Desmodium polycarpum,*** plant, histology 3076
***Desmodium triquetrum,*** plant, composition 6160
***Deudorix epijarbas,*** pomegranates 6277
***Deuterophoma tracheiphila***
*Citrus* 9245
*Citrus meyerii* 3853
lemons 3829, 3853
***Deutzia scabra,*** cuttings, rooting, growing media 3615
***Diabrotica, Cucurbita maxima*** 4192
***Diaeretiella rapae,*** control, of *Lipaphis erysimi,* radishes 5701
***Dialeurodes citri, Gardenia jasminoides*** 6856
***Dianthus*** (*see also* Carnations)
***Dianthus chinensis***
leaves, development, histology 4351
salinity, tolerance 1562
***Dianthus deltoides,*** utilization, lawns and turf 418
***Dianthus trifasciculatus,*** tissue culture, propagation, ovules 5966
***Diaphania nitidalis,*** cucumbers 3400
***Diaporthe phaseolorum,*** tamarillos 8227
***Diaprepes abbreviatus***
*Citrus* 9262
sour oranges 655
**Diaspididae,** ornamental plants 8948
***Diaspis bromeliae,*** pineapples 7093
***Diatraea,*** sugarcane 3891
***Diatraea saccharalis,*** sugarcane 8326, 9397
***Dicksonia,*** spores, germination 3587
***Dicksonia fibrosa,*** frost, resistance, assessment 9027
***Dicliptera roxburghiana,*** plant, composition 1125
***Dictamnus albus,*** roots, composition 1731
**Dictionaries,** plants 4609
***Dictyophora indusiata***
characteristics 2193
cultural methods, China 3524
***Dictyopteris polypodioides,*** composition 6157
***Dictyota dichotoma,*** composition 6157
***Didymella applanata,*** raspberries 129, 823, 2711, 4039, 8601
***Didymella bryoniae,*** cucumbers 5734, 6653
***Didymella lycopersici,*** tomatoes 5912
***Didymocarpus falcatus,*** plant, composition 5156
***Dieffenbachia***
cultivars, characteristics, USA 2250-2251, 7893
cultural methods, pot plants 7894, 8997, 9001
diseases, *Erwinia chrysanthemi* pv. *dieffenbachiae* 6772
***Dieffenbachia*** *cont.*
growing media, composition 8946
leaves, morphology 427
protected cultivation, temperature 2247
***Dieffenbachia amoena***
growing media
characteristics 9002
composition 9003
***Dieffenbachia maculata***
cultural methods, pot plants 1027, 3589, 5053, 7891
cuttings, cultural methods 5058
nutrition, iron 4391
pests, *Pseudococcus longispinus* 4387
photosynthesis, light 430
***Diervilla florida*** (*see Weigela florida*)
***Digitalis,*** plant, composition 39
***Digitalis lanata***
handling, techniques 1126
leaves, anatomy 3750
photosynthesis, water relations 3751
plant
composition 6190
development, environment 572
tissue culture, metabolites, production 573, 8052
***Digitalis purpurea***
leaves, composition 574, 1732, 6159
tissue culture, biochemistry 1732, 6166
***Digitaria***
as weeds
lawns and turf 3578
vegetables 176, 3352
***Digitaria ciliaris,*** as weeds, fruit crops 5418
***Digitaria ischaemum,*** as weeds, lawns and turf 2244, 4386, 6040
***Digitaria sanguinalis***
as weeds
*Capsicum* 2151
container grown plants 479, 6072
*Gerbera* 383
lawns and turf 1611, 2244, 4386
melons 7594
olives 666
ornamental plants 5945
tomatoes 3490
***Diglyphus isaea***
control
of *Liriomyza trifolii, Gerbera* 6779, 8958
of pests, greenhouse crops 179
**Dill** (*see Anethum graveolens*)
***Dillenia reticulata,*** as weeds, oil palms 5325
***Dimocarpus*** (*see also* Longans)
***Dimorphotheca sinuata,*** tissue culture, propagation, protoplasts 1586
***Diodia virginiana,*** as weeds, lawns and turf 1612, 3577
***Dioscorea,*** plant, composition 39
***Dioscorea collettii,*** plant, composition 1127
***Dioscorea deltoidea***
nutrition, nitrogen 2380
tissue culture
biochemistry 6868
metabolites, production 8053, 9148
responses, temperature 6940
***Dioscorea floribunda***
growth regulators, cytokinins, composition 5187
tubers, composition 5187
***Dioscorea hispida,*** plant, composition 575
***Dioscorea panthaica,*** rhizomes, composition 1128
***Dioscorea prazeri,*** plant, composition 9149
***Dioscoreophyllum cumminsii,*** fruits, composition 2457
***Diospyros*** (*see also* Persimmons)
***Diospyros caucasicus,*** as rootstocks, persimmons 8224
***Diospyros consolatae,*** plant, composition 6191
***Diospyros nicaraguensis,*** plant, composition 6941
***Diospyros squarrosa,*** plant, composition 6191
***Diospyros verrucosa,*** plant, composition 2381

***Diospyros zombensis,*** plant, composition 6191
***Diplocarpon earlianum,*** strawberries 2037
***Diplocarpon mespili***
pears 5503
*Pyrus* 5503
***Diplocarpon rosae, Rosa kordesii*** 6094
***Diplodia,*** avocados 2475
***Diploknema butyracea***
flowers, composition 5188
seeds, composition 4530
***Dipsacus asper,*** plant, composition 1090
**Diptera,** pollinators, apples 7261
**Dipterocarpaceae,** products, resins 1093
***Disa***
breeding, South Africa 2978
seeds, germination, biochemistry 447
***Disa cardinalis,*** characteristics 2978
***Disa caulescens,*** characteristics 2978
***Disa racemosa,*** characteristics 2978
***Disa tripetaloides,*** characteristics 2978
***Disa uniflora***
breeding, South Africa 2977
cultural methods, South Africa 2976
ecology, South Africa 2976
***Disa uniflora* × *Disa tripetaloides,*** flowers, colour, breeding 9012
***Disa venosa,*** characteristics 2978
**Disbudding**
responses
*Ficus retusa* 5091
*Papaver somniferum* 4509
pears 4743
***Disperis,*** seeds, germination, biochemistry 447
***Distylium racemosum,*** growth regulators, brassinosteroids, composition 7190
***Ditylenchus dipsaci***
garlic 3356, 7465
strawberries 4783
***Dizygotheca elegantissima,*** cultural methods, pot plants 5051
**Djibouti**
*Hyphaene thebaica,* ecology 8160
*Pithecellobium dulce,* cultural methods 8160
*Ziziphus spina-christi,* cultural methods 8160
***Dodartia orientalis,*** plant, composition 8054
**Dodder** (*see Cuscuta*)
***Dodonaea viscosa,*** plant, composition 6192
***Dolichos kilimandscharicus,*** roots, composition 6893
**Dolomite**
utilization
fertilizers
grapes 5595
oil palms 9366
oranges 6254
*Piper nigrum* 3009
poinsettias 7929
woody plants 7916
growing media
pot plants 8942
*Spathiphyllum* 2260
soil amendments
cocoa 9323
*Cucurbita pepo* 4184
*Exacum affine* 3624
*Hedera helix* 3624
oranges 6254
peaches 4008
***Doritaenopsis,*** tissue culture, propagation, techniques 448
**Dormancy**
cultivars
apricots 7277
grapes 855, 3343
cultural methods, grapes 855
cyanamide
apples 749
grapes 855, 857, 3343
peaches 801, 1293, 1338, 6486
plums 120
*Pyrus pyrifolia* 1347
temperate fruits 748
defoliation
apples 749, 774, 1293
peaches 1293, 1338
temperate fruits 748
**Dormancy** *cont.*
DNOC
apples 1293
peaches 1293, 1338
temperate fruits 748
fungicides
grapes 3343
peaches 1293
pecans 1352
*Pyrus pyrifolia* 1347
temperate fruits 748
genetics, plants 1902
growth regulators
apples 773
grapes 855-856, 3343
peaches 801, 6486
temperate fruits 748
woody plants, reviews 1905
herbicides
apples 772-773, 1293
peaches 1293
pecans 1352
irrigation, peaches 1293
nomenclature, plants, reviews 1901
photoperiodism, grapes 2776, 5608
physiology
apples 770, 5468
grapes 5609
potassium nitrate
peaches 801, 1338
pecans 1352
*Pyrus pyrifolia* 1347
temperate fruits 748
pruning
apples 774
peaches 1293
temperature
apples 6452
grapes 2776, 3343
plants 1902
temperate fruits 771
walnuts 771
training
apples 749, 774
temperate fruits 748
***Dorstenia barnimiana,*** roots, composition 5189
***Doryctobracon areolatus,*** control, of *Anastrepha suspensa,* fruit crops 8422
***Dothiorella aromatica,*** avocados 2476
***Dracaena,*** pests, *Opogona sacchari* 8999
***Dracaena bruantii,*** cuttings, cultural methods 5059
***Dracaena deremensis,*** heat, injuries 436
***Dracaena loureiri,*** plant, composition 8055
***Dracaena marginata***
cultural methods, containers 4412
disorders, flecking 437
nutrition, iron 4391
***Dracaena nitens,*** plant, composition 4490
***Dracaena sanderiana,*** growing media, composition 2252
***Dracaena surculosa,*** cultural methods, pot plants 5052
***Dracocephalum kotschyi,*** plant, composition 7977
***Dracocephalum moldavica,*** cultural methods, Hungary 2311
***Dracocephalum nutans,*** plant, composition 7978
***Dracocephalum ruyschiana,*** seedlings, production, cultural methods 4345
***Drechslera,*** lawns and turf 4382
***Drechslera incurvata,*** coconuts 5303
***Drechslera poae,*** lawns and turf 2961, 2963, 4384, 7883
***Drepanopeziza ribis,*** red currants 4031
***Drosanthemum hispidum***
photosynthesis
CAM pathway 6052
water relations 6052
***Drosera,*** wild plants, utilization, USSR 735
**Drought** (*see also* Water relations)
resistance
assessment
*Asparagus* 282
*Clematis* 6102
biochemistry, sugarcane 717
cultivars
apricots 781, 3990
**Drought** *cont.*
resistance *cont.*
cultivars *cont.*
aubergines 5850
*Capsicum* 5850
cherries 815, 4717
*Coleus blumei* 3594
grapes 8647
lawns and turf 5048
okras 285
peaches 2669
peas 5781
plums 815, 4016
strawberries 2723
sugarcane 717, 8324
temperate fruits 3956
growth regulators, cucumbers 5723
physiology
apricots 781
cocoa 3170
*Coleus blumei* 3594
*Juglans* 4757
peas 5781
*Phaseolus vulgaris* 8778
strawberries 2723
tea 9406
potassium, oil palms 9367
tests
apricots 3985
plums 4016
woody plants 3614
responses
apples 8509
avocados 2505
*Cereus validus* 4393
cocoa 9317, 9329
*Digitalis lanata* 572
*Hevea* 8312
*Kalanchoe daigremontiana* 1621
lawns and turf 1610
*Parthenium argentatum* 1786, 8161
*Portulacaria afra* 1622
*Simmondsia chinensis* 8144
sugarcane 3191, 5334
tomatoes 2924
tolerance
*Citrus* 9247
*Parthenium argentatum* 1786
*Poncirus trifoliata* 9247
**Drying**
equipment
conferences 7121
horticultural crops 7193
*Tanacetum cinerariifolium* 8003
tropical crops 7200-7203, 8259
techniques
*Acorus calamus* 3668
cut flowers, *Limonium sinuatum* 3559
***Dryopteris filix-mas***
plant, composition 6156
tissue culture, propagation, responses 3591
***Duboisia myoporoides,*** tissue culture, metabolites, production 2382
***Duguetia panamensis,*** plant, composition 9150
***Duguetia spixiana,*** plant, composition 8056
***Dunaliella tertiolecta,*** composition 8057
**Durians**
diseases
*Phytophthora palmivora* 4575
*Rhizoctonia solani* 5358
***Durio*** (*see also* Durians)
**Dwarfing**
cultural methods, fruit crops 5386
fungicides, *Lilium longiflorum* 410
growth regulators
*Anemone coronaria* 1012
*Begonia hiemalis* 7859
*Calendula officinalis* 397
*Campanula poscharskyana* 6789
chrysanthemums 6776
*Clerodendrum thomsoniae* 482
*Columnea microphylla* 432
*Coreopsis verticillata* 7850
foliage plants 3589
*Lilium longiflorum* 410
*Pelargonium* 8959
*Pilea cadierei* 5062

**Dwarfing** *cont.*
growth regulators *cont.*
poinsettias 6086
*Ranunculus asiaticus* 1012
*Trachelium caeruleum* 6018
tulips 5038-5039
**Dye plants,** surveys, USSR 2304
***Dysmicoccus brevipes,*** pineapples 7093
***Dysoxylum lenticellare,*** leaves, composition 6942
***Earias vittella,*** okras 2147, 8840, 8844
**Earthworm casts**
utilization
fertilizers
cabbages 7546
leeks 7546
***Echeveria derenbergii,*** flowers, development, morphology 7899
***Echinacea angustifolia***
plant, composition 6193
research 6898
seeds, germination 2383
***Echinacea pallida,*** seeds, germination 2383
***Echinacea purpurea***
cultivars, assessment, German Federal Republic 6791
plant, composition 6193, 8058
seeds, germination 2383
tissue culture
metabolites, production 1733
propagation, protoplasts 1586
***Echinochloa colonum***
as weeds
*Capsicum* 5882
onions 2092, 4110
tomatoes 5882
***Echinochloa crus-galli***
as weeds
carrots 4333
container grown plants 479
cucumbers 5719
olives 666
ornamental plants 370
*Phaseolus vulgaris* 3410
strawberries 4775
tomatoes 3490
***Echinops echinatus,*** flowers, composition 6943
***Echium angustifolium,*** plant, composition 6165
***Eclipta alba***
leaves, composition 6891
mutants, induction, ethyleneimine 8059
plant, composition 8059
**Economics**
apples, Argentina 3239
carobs, Italy 6242
cashews, Burkina Faso 4570
cherries, Netherlands 1978
chicory, Romania 6608
chrysanthemums, India 7840
*Crocus sativus,* India 1060
hops, Poland 7992
horticultural crops, Japan 20
mangoes, India 8283
melons
India 4893
USA 5714
mushrooms, India 6765
ornamental plants, USA 4996
planting stock, production, ornamental plants 4999
pot plants, Norway 6085
raspberries, Denmark 1364
stone fruits, Turkey 8445
tomatoes, India 7735
woody plants, USA 4409
***Ectomyelois ceratoniae,*** dates 3153, 3855
**Ecuador,** Orchidaceae, species 446
***Edovum puttleri,*** control, of *Leptinotarsa decemlineata,* aubergines 179
**Eggplants** (*see* Aubergines)
**Egypt**
pecans, cultivars 7322
*Vicia faba,* cultural methods 2866
***Elaeagnus angustifolia***
fruits, composition 9151
growing media, composition 1898
herbicides, injuries 988
***Elaeagnus commutata,*** pollution, tolerance 4414
***Elaeidobius kamerunicus,*** pollinators, oil palms 9369
***Elaeis*** (*see also* Oil palms)
***Elaeis melanococca,*** fruits, composition 6315
***Elaeis melanococca* × oil palms,** fruits, composition 6315
***Elaeis oleifera,*** tissue culture, propagation, micropropagation 8297
***Elaeis oleifera* × oil palms,** tissue culture, propagation, micropropagation 8297
***Elaphomyces muricatus,*** mycorrhizas, chestnuts 4001
***Elasmopalpus lignosellus,*** sugarcane 8387
**Elder** (*see Sambucus nigra)*
**Electrical properties**
assessment, woody plants 3614
diurnal variation, plants 1914
physiology
apples 2636
*Cucurbita pepo* 6659
grapes 2061
peas 4268
temperature, woody plants 3253
tissue culture, carrots 7805
**Electricity**
responses
cherries 4719
plants 23
spinach 8702, 8704
***Elettaria cardamomum***
diseases
*Phytophthora nicotianae* var. *nicotianae* 1668
*Pythium vexans* 1668
fruits, composition 7954
nutrition 6281
deficiency 7956
reports, India 7134
tissue culture, propagation, micropropagation 7955
***Eleusine indica***
as weeds
grapes 4791
lawns and turf 2244, 3578
ornamental plants 5945
vegetables 3352
***Eleutherococcus henryi,*** shoots, development, defoliation 4424
***Eleutherococcus senticosus,*** plant, composition 8060
***Elliottia racemosa,*** seeds, treatment 2999
***Elsholtzia ciliata***
taxonomy, chemotaxonomy 513
wild plants, edible species 5415
***Elsholtzia pilosa,*** plant, composition 9089
***Elsholtzia polystachya,*** leaves, composition 5115
***Elsinoe ampelina,*** grapes 2056, 4070
***Elsinoe fawcettii***
limes 8189
pummelos 44
***Elsinoe veneta,*** raspberries 129, 2711
***Elymus repens***
as weeds
carrots 4333
ornamental plants 370
***Embelia ribes,*** fruits, composition 530, 5151, 6194
***Emblica officinalis*** (*see Phyllanthus emblica)*
***Empoasca fabae, Phaseolus*** 3416
***Encarsia formosa***
control
of Aleyrodidae, vegetables 308
of Aleyrodoidea, ornamental plants 8948
of pests, greenhouse crops 179
of *Trialeurodes vaporariorum*
*Gerbera* 6779
greenhouse crops 5914
tomatoes 337, 1540
vegetables 181
***Encarsia lahorensis,*** control, of *Dialeurodes citri, Gardenia jasminoides* 6856
***Encarsia opulenta,*** control, of *Aleurocanthus woglumi, Citrus* 9263
***Encarsia perniciosi,*** control, of Diaspididae, ornamental plants 8948
***Encyclia cochleata,*** characteristics 3602
**Endives**
blanching, techniques 5662, 6613
cultivars
assessment
Netherlands 6613, 8710
Switzerland 4862
diseases 6613
disorders 6613
protected cultivation 3372, 4862, 5662
disorders, tipburn 3372, 5662
growing media, composition 4828
protected cultivation
cultivars 4862, 8710
cultural methods 3517
systems
plastic fabric 6614
plastic film 210, 6614
plastic tunnels 5621
seedlings, production, cultural methods 7446
seeds
germination
light 4863
temperature 4863
sowing, techniques 7446
treatment 4863
**Energy sources**
*Euphorbia lathyris* 640
geothermal energy 4640, 4986, 7163
industrial wastes 5009
solar radiation
greenhouses 4633-4637, 4642, 4646, 5392, 7169
plastic tunnels 6401
***Enkianthus***
cultural methods, USA 3642
propagation, techniques 3642
***Enkianthus campanulatus,*** characteristics 3642
***Enkianthus cernuus,*** characteristics 3642
***Enkianthus chinensis,*** characteristics 3642
***Enkianthus deflexus,*** characteristics 3642
***Enkianthus nudipes,*** characteristics 3642
***Enkianthus pauciflorus,*** characteristics 3642
***Enkianthus perulatus,*** characteristics 3642
***Enkianthus quinqueflorus,*** characteristics 3642
***Enkianthus serrulatus,*** characteristics 3642
***Enkianthus subsessilis,*** characteristics 3642
***Entada phaseoloides,*** plant, composition 637
***Enterobacter aerogenes,*** control, of *Phytophthora cactorum,* apples 7243
***Enterobacter cloacae,*** pawpaws 7088
***Entomophthora muscae***
control
of *Delia radicum,* cabbages 7802
of *Psila rosae,* carrots 7802
***Entrophospora colombiana,*** mycorrhizas, *Solanum quitoense* 6279
**Enzyme activity**
abscission, peaches 5496
adenosine phosphates, spinach 8701
age, sugarcane 7104
alcohols, peas 7678
anaerobiosis, *Iris* 2952
arsenic
avocados 3123
peas 4927
bacteria, tomatoes 5892
biochemistry
almonds 747
bananas 5297
beetroots 2098, 2801
*Berberis wilsoniae* 1715
*Brassica carinata* 5693
*Callistephus* 5019
*Catharanthus roseus* 3064, 5174, 6179
cherimoyas 9304
cucumbers 6641
*Cucurbita maxima* 5766
*Cucurbita pepo* 7612
*Cymbopogon* 2309
*Euphorbia* 638

**Enzyme activity** *cont.*
biochemistry *cont.*
horticultural crops 4659
*Kalanchoe daigremontiana* 2255, 7904
lettuces 5674
mangoes 9361
peas 3454, 5766, 7685, 7687, 8826
*Phaseolus vulgaris* 3409, 5766
spinach 204, 870, 3365, 5651, 5653, 5656
tomatoes 3508
*Vicia faba* 1496, 3429, 7646
browning
avocados 7015
cherimoyas 7054
grapes 3347
mushrooms 5936
peaches 4738
calcium
avocados 3123
carnations 2205
cucumbers 4897
tomatoes 2170
carbon dioxide
apples 3263
avocados 3263
circadian rhythm, *Kalanchoe tubiflora* 2256
copper, peas 8814
cultivars
grapes 2079
*Rauvolfia serpentina* 5219
tomatoes 3505
cytotoxic compounds, onions 6588
determination
*Aloe barbadensis* 6827
fruit crops 3220
*Kalanchoe* 6827
tea 3199
*Vaccinium* 3309
vegetables 3220
diurnal variation
cucumbers 1480
peas 7686
dolomite, poinsettias 7929
dormancy
*Acer tataricum* 1642
Jerusalem artichokes 2816
lettuces 7515
onions 2095
drought, cocoa 9329
flowering
carnations 379
*Thevetia peruviana* 3651
fungicides, tomatoes 344
gamma radiation
peas 6686
tomatoes 8916
genetics, *Callistephus* 5019
geotropism, plants 4655
germination
cucumbers 5712
hazelnuts 8525
oil palms 5324
*Papaver somniferum* 1756
peas 2139, 7661-7662
*Psophocarpus tetragonolobus* 1516
*Simmondsia chinensis* 8146
vegetables 8662
growth
cucumbers 897
peas 2143
growth regulators
apples 3263
aubergines 4971
avocados 2507, 3263, 7015, 8167
carnations 377
*Cucurbita pepo* 1467, 4900
mangoes 2557
pears 1350
peas 2878, 3458, 4932, 8828
*Phaseolus vulgaris* 915, 5759, 6671
radishes 3390
raspberries 7348
roses 477
rough lemons 3832
strawberries 4784
*Thevetia peruviana* 3651
tomatoes 4971, 6748
watermelons 6663, 8762

**Enzyme activity** *cont.*
harvesting date, avocados 2507, 8167
heavy metals
*Adhatoda vasica* 9111
*Phaseolus vulgaris* 7621
herbicides, plums 8580
inhibitors
*Aloe arborescens* 3046
*Alpinia galanga* 9117
carnations 6775
carrots 5927
cherimoyas 9304
cucumbers 5710
*Erythrina corallodendron* 6104
*Eugenia uniflora* 3756
*Gardenia jasminoides* 9156
*Gynandropsis gynandra* 6199
Jerusalem artichokes 2101
mangoes 5321
peas 4258, 7678
*Pelargonium zonale* 389
*Phaseolus vulgaris* 915, 4226-4227, 4230, 7620, 8783
*Phyllanthus niruri* 9190
plants 40
*Scoparia dulcis* 3109
spinach 5651
iron, cucumbers 897
irregular bearing, mandarins 1203
light
*Brassica juncea* 881
*Catharanthus roseus* 4482
*Cucurbita maxima* 6643
*Gomphrena globosa* 1009
peas 3434, 4258, 4267, 4927, 5828, 7686
*Sinapis alba* 7961, 9061
spinach 38, 204, 3365, 4846, 4848, 8701
sugarcane 7104
tomatoes 7764
*Vicia faba* 7650
molybdenum, poinsettias 7929
mycorrhizas
leeks 7469
*Ophrys lutea* 5066
nematicides
aubergines 4971
tomatoes 3505, 4971
neutron radiation, peas 6686
nitrogen
*Brassica juncea* 9049
cucumbers 5899
hops 3692
peas 2140, 8810
*Phaseolus vulgaris* 4214, 8773
*Sinapis alba* 9061
spinach 4846
tomatoes 5899, 5901
*Vicia faba* 6682
nitrogen dioxide, *Cucurbita maxima* 6643
nutrition
lettuces 1436
peas 7667
plums 8580
tomatoes 7767
*Vicia faba* 8791
oxygen, lettuces 220
phosphorus
peas 8814
spinach 2805
photosynthesis
*Coriandrum sativum* 2300
ornamental plants 3538
peas 3446-3449, 4265
*Phaseolus vulgaris* 4225-4226
spinach 4846-4847, 5651, 6600
succulent plants 7896
physiology
apples 3266, 7274, 8460
*Catharanthus roseus* 4482
celery 3512
cucumbers 7689
grapes 7436
oranges 1804
peas 3438, 7689
*Petunia* 5999
*Phaseolus vulgaris* 1490, 2864, 3413, 3421, 8774
plants 8434, 8903

**Enzyme activity** *cont.*
physiology *cont.*
plants *cont.*
reviews 8433
tomatoes 7787
*Vicia faba* 8797
plant extracts, medicinal plants 534
pollution, *Vicia faba* 1493
potassium, *Phaseolus vulgaris* 6674
respiration, peas 8824
ripening
apples 4699, 8514
bananas 1826, 8242
kiwifruits 8597
mangoes 2557
melons 6664
pawpaws 8307
peaches 4738, 7308, 8554
strawberries 8623
temperate fruits 4739
tomatoes 349, 1543, 2170, 3507
rooting, *Phaseolus vulgaris* 5759
rootstocks, apples 4693
salinity
*Phaseolus vulgaris* 4911
spinach 205
tomatoes 334
vegetables 4098, 8662
seasonal variation
apples 4693
avocados 2504
grapes 6542
lettuces 219
senescence
carnations 378, 989, 991, 1900, 2205-2206
celery 3512
roses 1640
*Sinapis alba* 9062
*Thevetia peruviana* 3651
soil, plums 8580
storage
avocados 2496
*Capsicum* 4942
*Lentinula edodes* 8935
melons 906
mushrooms 3520, 6767
peaches 2682
pears 1350
*Piper nigrum* 4445
roses 1640
sulphur dioxide, *Vicia faba* 3425
temperature
apples 1959
cabbages 240
cucumbers 2837
grapes 2079
pawpaws 703
radishes 3390
tomatoes 3507, 7764, 7789
*Valerianella locusta* 982
tissue culture
carrots 359, 4981, 5930, 7806
cauliflowers 3378
figs 1982
grapes 2761
roses 7934
*Syringa vulgaris* 3626
titanium, tomatoes 7770
trace elements
hops 3696
tomatoes 967
water relations
*Cyamopsis tetragonoloba* 2869
*Portulacaria afra* 1622
sugarcane 717
*Trigonella foenum-graecum* 6866
winter hardiness, apples 8510

**Enzymes**
biochemistry
*Amaranthus dubius* 6764
*Berberis* 3069
carnations 379
*Coleus blumei* 9139
*Coptis japonica* 3069
cucumbers 5710
*Cucurbita pepo* 2122, 4198
grapes 2080
*Hevea* 1851
Jerusalem artichokes 206
*Narcissus* 1907, 5036

**Enzymes** *cont.*
biochemistry *cont.*
*Papaver somniferum* 8090
pawpaws 3180
peas 1512, 2146, 3453, 5784, 5813, 5832, 7696, 8822
*Phaseolus vulgaris* 922, 2863
pumpkins 1466
*Salvia officinalis* 6137
spinach 3366, 4856, 5657, 7502, 7504
*Tanacetum vulgare* 6137
*Tropaeolum majus* 6021, 8965
*Typha latifolia* 6046
vegetables 1907
*Vicia faba* 5771
biosynthesis
apples 3263
avocados 3263
*Brassica juncea* 881
peas 3450, 5831
spinach 4121
characterization
avocados 3827
carrots 4336, 5925, 5927, 6758
*Catharanthus roseus* 1722
*Coptis japonica* 5180
cucumbers 4901, 8758
*Cucurbita maxima* 6660
*Cucurbita moschata* 1482
*Digitalis lanata* 6190
Euphorbiaceae 1782
garlic 2792
Jerusalem artichokes 3369
lettuces 8715
mushrooms 6766
onions 2792
*Parthenium argentatum* 9241
peas 7690, 7694
*Petunia* 2213
*Rauvolfia serpentina* 1167
spinach 1431, 2809-2810, 4126, 4128, 4858, 4860, 5658, 5660, 6604, 8705, 8707
tea 6357
tomatoes 1544, 2920
watermelons 4190
composition
*Auricularia polytricha* 364
avocados 2508
*Azadirachta indica* 6918
*Berberis wilsoniae* 1715
*Brassica oleracea* 2796
cabbages 240
*Calotropis procera* 1188
carnations 5964
*Catharanthus roseus* 560, 1720
cress 4170
cucumbers 5743
*Cucurbita maxima* 4899
*Cucurbita moschata* 902
*Davallia trichomanoides* 4395
*Eschscholzia californica* 3077
fungi 2185
garlic 862-863
grapes 3327
Jerusalem artichokes 207
kiwifruits 8597
*Lentinula edodes* 4995
mangoes 9361
mushrooms 2185
onions 2796, 6589
oranges 1809
pawpaws 6316
peaches 96
peas 1513-1514, 2141, 3452, 4241, 4251, 4264, 5783, 5829-5830, 5832, 7691, 8802, 8830
*Petroselinum crispum* 5106
*Phaseolus vulgaris* 916, 2865, 3420, 4203
plants 1693, 2132
*Pleurotus* 2197
radishes 5702
*Solanum khasianum* 9207
spinach 205, 3452
tea 3201
*Trigonella foenum-graecum* 506
vegetables 2084, 4859, 5629
*Volvariella volvacea* 2938, 3532

**Enzymes** *cont.*
determination
*Armoracia rusticana* 7951
horticultural crops 38
peas 3451, 8804
radishes 2114
spinach 1433
*Stanhopea anfracta* 453
extraction
*Anthurium andreanum* 1006
beetroots 1423
oranges 9266
spinach 869
tomatoes 2926, 6752
metabolism
biochemistry, tomatoes 2926
diseases, *Phaseolus vulgaris* 4200
growth regulators
*Pharbitis nil* 996
watermelons 1479
light, watermelons 1479
ripening
bananas 1826
*Capsicum* 5861
tomatoes 6752
senescence, oranges 9267
temperature, grapes 2079
tissue culture
*Asclepias syriaca* 4531
oranges 3146
tomatoes 8910
water relations, *Trigonella foenum-graecum* 6866
production
growing media, *Pleurotus sajor-caju* 8938
tissue culture, *Rauvolfia serpentina* 6220
taxonomy
*Annona* 1216
*Anthurium andreanum* 1006
citrons 1192
*Citrus* 7018
grapes 7374
persimmons 6274
*Phaseolus* 6665
pineapples 6322
*Vigna* 6665
*Vitis* 5571
ultrastructure, spinach 4854, 4857
***Eoreuma loftini,*** sugarcane 8326
***Eotetranychus hicoriae,*** pecans 8567
***Eotetranychus pruni,*** apples 3250
***Ephedra,*** plant, composition 4491
***Ephedra equisetina***
leaves, composition 3029
plant, composition 4491
***Ephedra fragilis,*** plant, composition 576
***Ephedra intermedia,*** plant, composition 4491
***Ephedra sinica,*** plant, composition 4491
***Ephestia calidella,*** dates 3153
***Ephestia cautella,*** dates 3153
***Ephestia figulilella,*** dates 3153
***Epidendrum,*** surveys, Cuba 3602
***Epidendrum ibaguense***
flowers, development, histology 9022
nectaries 6841
roots, development, anatomy 6835
***Epilachna varivestis***
*Phaseolus* 3416
*Phaseolus vulgaris* 7639
***Epilobium,*** as weeds, container grown plants 6072
***Epilobium angustifolium***
photosynthesis, biochemistry 8389
plant, composition 577
***Epimedium,*** as ground cover plants, cultural methods 6004
***Epimedium grandiflorum,*** roots, composition 2384
***Epimedium koreanum,*** plant, composition 5190
***Epimedium sempervirens,*** roots, composition 2384
***Epimeredi indica,*** plant, composition 6944
***Epipactis,*** seeds, germination, culture media 3609
***Epipactis helleborine,*** seeds, composition 3605

***Epiphyas postvittana,*** apples 8501
***Epipremnum pinnatum***
cultural methods, pot plants 3589, 4396, 7891, 9005
cuttings 438
production, techniques 6383
sources, assessment 6053
leaves, composition 9004
nutrition, iron 4391
plant, development, temperature 2970
***Episcia cupreata,*** research, Chile 2581
***Equisetum***
plant
composition 532
morphology 532
***Eranthis hyemalis,*** plant, development, temperature 2222
***Eremochloa ophiuroides***
herbicides
injuries 3581-3582
tolerance 2244, 3581
nutrition 8990
transpiration, measurement 6045
weed control 2965, 3582
***Eremurus regelii,*** plant, composition 2338
***Erica***
growing media, composition 8945
planting stock, production, containers 8945
reports, German Federal Republic 3216
***Erica gracilis,*** reports, German Federal Republic 3216
***Erica herbacea,*** soilless culture, growing media 2983
**Ericaceae**
mycorrhizas 1262
planting stock, production, tissue culture 3623
***Erigeron,*** chromosomes 7825
***Erigeron canadensis*** (*see Conyza canadensis*)
***Erigeron karvinskianus,*** plant, composition 6140
***Erinnyis ello,*** *Hevea* 6296
***Eriobotrya*** (*see also* Loquats)
***Eriope macrostachya,*** plant, composition 1129
***Eriophyes guerreronis,*** coconuts 687
***Eriophyes stefanii, Pistacia lentiscus*** 2455
***Eriosoma lanigerum,*** apples 67, 1950, 8502
***Erodium moschatum,*** as weeds, strawberries 4060
**Erosion**
control
protective plants, plums 8571
slopes
coffee 9341
*Hippophae rhamnoides* 6535
plums 8571
***Erosomyia,*** mangoes 5318
***Erosomyia mangiferae,*** mangoes 5317
***Erwinia***
cabbages 6634
*Capsicum* 7731
Chinese cabbages 1454
control, of *Botrytis cinerea,* roses 6097
onions 1418
***Erwinia amylovora***
apples 5425, 8484
fruit crops 17
ornamental plants 6499
pears 5505-5506, 6499, 8561
*Pyracantha* 491
Rosaceae 17
***Erwinia carotovora***
bananas 8235
Chinese cabbages 4153
onions 188, 194
***Erwinia carotovora* subsp. *carotovora,*** *Capsicum* 2155
chrysanthemums 1571
ornamental bulbs 6772
tomatoes 8919
***Erwinia chrysanthemi***
*Aechmea* 6772
*Saintpaulia* 6772
*Syngonium podophyllum* 498
***Erwinia chrysanthemi* pv. *chrysanthemi,*** chrysanthemums 6772

***Erwinia chrysanthemi* pv. *dianthicola,*** carnations 6772
***Erwinia chrysanthemi* pv. *dieffenbachiae,*** *Dieffenbachia* 6772
***Erwinia herbicola,*** avocados 2475
***Erwinia milletiae,*** *Wisteria floribunda* 2453
***Erysimum allionii,*** plant, composition 1685
***Erysimum pulchellum,*** plant, composition 3753
***Erysimum scoparium,*** plant, composition 1685
**Erysiphales,** horticultural crops 1264
***Erysiphe***
cabbages 7538
lawns and turf 5048
***Erysiphe cichoracearum***
cucumbers 5706, 9093
Cucurbitaceae 5735, 6397
Jerusalem artichokes 2812
***Erysiphe graminis,*** lawns and turf 4384
***Erysiphe lagerstroemiae,*** *Lagerstroemia* 489
***Erysiphe nitida,*** *Ranunculus asiaticus* 8987
***Erysiphe pisi,*** peas 1504, 7671
***Erysiphe polygoni,*** peas 4248
***Erysiphe polyphaga,*** *Begonia* 9093
***Erythrina,*** plant, composition 6902
***Erythrina berteroana,*** plant, composition 3024
***Erythrina corallodendron,*** seeds, composition 6104
***Erythrina crista-galli***
flowers, composition 7943
plant, composition 3754
***Erythrina fusca,*** utilization, shade plants, cocoa 9320
***Erythrina poeppigiana,*** utilization, shade plants, cocoa 8250-8251
***Erythrina rubrinervia,*** seeds, composition 5087
***Erythrina senegalensis,*** plant, composition 8061
***Erythrina sigmoidea,*** plant, composition 9152
***Erythrina variegata,*** seedlings, development, morphology 501
***Erythrophleum ivorense,*** plant, composition 6154
**Erythroxylaceae,** surveys, Mauritius 1895
***Erythroxylum,*** plant, composition 5191
***Erythroxylum argentinum,*** plant, composition 4492
***Erythroxylum coca,*** plant, composition 3755
***Erythroxylum loefgrenii,*** plant, composition 5191
***Erythroxylum vacciniifolium,*** plant, composition 5191
***Eschscholzia californica,*** tissue culture, biochemistry 3077
**Essential oil plants**
conferences 1883
cultural methods, Romania 3030
growth regulators
lactones, composition 9382
terpenoids, composition 9382
medicinal properties, reviews 508
plant, composition 2305
surveys, Australia 5110
**Essential oils**
biochemistry
*Achillea distans* 2306
*Agastache rugosa* 9112
*Ageratum conyzoides* 3669
*Aglaia odoratissima* 541
*Anethum graveolens* 2297, 7968
*Angelica pubescens* 511
*Artemisia absinthium* 4451
*Artemisia annua* 6869
*Artemisia dracunculus* 8027
*Artemisia herba-alba* 3672
*Artemisia pallens* 3014
*Astragalus membranaceus* 3052
avocados 4535
*Betula pendula* 3673
*Boswellia neglecta* 7969
*Boswellia sacra* 1673
*Boswellia serrata* 7971
**Essential oils** *cont.*
biochemistry *cont.*
*Calamintha nepeta* 1674, 1716
*Calendula officinalis* 3732
*Cananga odorata* 3674, 9069
*Carum carvi* 2307, 7968
*Chamaemelum fuscatum* 5112
*Chamomilla recutita* 562
*Chamomilla suaveolens* 1724
chrysanthemums 6872
*Citrus bergamia* 1065
*Citrus limonia* 6870
*Citrus meyerii* 3853
*Clausena anisata* 9088
*Clutia abyssinica* 563
*Commiphora* 7969, 7974
*Conyza canadensis* 6871
*Conyza viscidula* 6139
*Cydonia sinensis* 4024
*Cymbopogon* 2308, 4452
*Cymbopogon distans* 7975
*Cymbopogon martinii* 4454, 7976
*Dracocephalum kotschyi* 7977
*Dracocephalum moldavica* 2311
*Dracocephalum nutans* 7978
*Elettaria cardamomum* 7954
*Elsholtzia ciliata* 513
*Elsholtzia pilosa* 9089
*Elsholtzia polystachya* 5115
*Erigeron karvinskianus* 6140
*Eugenia javanica* 5116
fennel 3516
*Ferula jaeschkeana* 5117
figs 3296
*Filipendula ulmaria* 8068
garlic 186, 2793
*Hedychium spicatum* 1138
*Heracleum sphondylium* 2390
*Hyptis pectinata* 5118
*Jasonia camphorata* 3676
*Juniperus* 5109
*Juniperus communis* 5122
*Juniperus foetidissima* 514
*Laurus nobilis* 3016
*Lavandula stoechas* 3678
*Ledum palustre* 6876
lemons 3853
*Lippia adoensis* 1745
*Lippia graveolens* 2403
*Melaleuca leucadendron* 7981
*Mentha* 1067
*Mentha arvensis* 9073
*Mentha longifolia* 7968, 7982-7983
*Mentha piperita* 3679-3681, 4458
*Mentha rotundifolia* 7984
*Mentha spicata* 7968
*Mentha villosa* 5126
*Mentha villoso-nervata* 7985
*Michelia montana* 2397
*Minthostachys glabrescens* 5145
*Monodora myristica* 6124, 7967
*Montanoa tomentosa* 2403
*Ocimum gratissimum* 1676
*Ocimum sanctum* 3683
oranges 3837, 7973
*Origanum majorana* 2316, 5129
*Peperomia rotundifolia* 8094
*Peperomia subespatulata* 4511
*Perilla frutescens* 1677
*Polygonum minus* 3688
*Prangos ferulacea* 1072
*Pteronia incana* 5131
*Pueraria lobata* 8098
quinces 3293
*Rhanterium epapposum* 5132
*Rosa* 5133
*Rosmarinus* 1074
*Rosmarinus officinalis* 1075
*Salvia lavandulifolia* 1076
*Salvia triloba* 6145
*Santolina* 7987
*Schizonepeta tenuifolia* 5137
*Scutellaria baicalensis* 622
*Scutellaria lateriflora* 8106
*Senecio pendulus* 1083
*Seseli macrophyllum* 6146
*Sideritis* 2435
*Sideritis scardica* 3689
*Syzygium aromaticum* 3661
*Tagetes* 3815
*Tanacetum balsamita* 2319
**Essential oils** *cont.*
biochemistry *cont.*
*Tanacetum vulgare* 7988
*Thymus* 3018
*Thymus collinus* 6885
*Thymus fedtschenkoi* 6885
*Thymus hyemalis* 1681
*Thymus kotschyanus* 6885
*Thymus serpylloides* 7989
*Thymus transcaucasicus* 6885
*Vanillosmopsis arborea* 9080
*Vitex trifolia* 5118
walnuts 3295-3296
*Xylopia aethiopica* 7967
*Zingiber officinale* 507
*Ziziphora* 3019
*Ziziphora taurica* 7990
characterization
*Citrus* 6261
*Mentha piperita* 6142
composition
*Acacia farnesiana* 4450
*Achillea fragrantissima* 1705
*Acorus calamus* 510, 3668
*Ageratum conyzoides* 1708
*Anethum graveolens* 3013
*Artemisia* 6138
*Artemisia afra* 5111
*Artemisia campestris* 6914
*Artemisia herba-alba* 6901
*Artemisia tridentata* 508
*Artemisia vestita,* reviews 3666
black currants, reviews 3666
*Buddleja asiatica* 5154
*Capillipedium foetidum* 5154
*Citrus* 5283
*Codonopsis clematidea* 1725
*Coriandrum sativum* 509, 3013, 5103
*Curcuma longa* 1666
*Cymbopogon citratus* 3675
*Cymbopogon martinii,* reviews 3666
*Eucalyptus* 6945
*Eucalyptus globulus* 6901
fennel 3013
*Heracleum* 4455
*Heracleum ponticum* 4455
*Heracleum stevenii* 4455
*Hyptis pectinata* 1142
*Jasminum arborescens* 6873
*Juniperus,* reviews 3667
*Juniperus communis* 1692
*Laurus nobilis* 509
*Lavandula* 6875
*Lavandula angustifolia* × *Lavandula latifolia,* reviews 3667
*Lavandula latifolia,* reviews 3666
*Ledum palustre* 5123
mandarins 509
*Melittis sarmatica* 5125
*Monarda fistulosa* 7986
*Myrtus communis* 5154
*Nepeta meyeri* 6210
*Nepeta nuda* 5127
*Ocimum basilicum* 515
*Ocimum gratissimum* 509
*Ocimum kilimandscharicum* 515
*Ocimum sanctum* 515
*Origanum majorana* 509
*Petroselinum crispum* 1692
*Pistacia lentiscus* 2455
*Rosa* 473, 2317
*Rosmarinus officinalis* 6144
*Salvia officinalis* 5135, 6144
*Sanguisorba minor* 618
*Satureja kitaibelii* 5136
*Syzygium aromaticum* 509, 515
*Tagetes erecta* 5154
*Thymus capitatus* 6901
*Thymus carnosus* 1178
*Trachyspermum ammi* 3013
*Trigonella foenum-graecum* 3013 reviews 3666
Valerianaceae 5152
*Zingiber officinale* 4446
conferences 1884
extraction
lemons 7972
*Monarda fistulosa* 7986
*Zingiber officinale* 5138

**Essential oils** *cont.*
metabolism
age, *Mentha* 9071
altitude, *Ocimum urticifolium* 3684
cultural methods, essential oil plants 7966
drying, *Acorus calamus* 3668
flowering, *Ocimum urticifolium* 3684
growth regulators, *Mentha* 9070
latitude, *Anethum graveolens* 2293
monoculture, *Chamomilla recutita* 3015
nutrition, *Ocimum kilimandscharicum* 2315
physiology, *Anethum sowa* 3670
planting stock, *Mentha arvensis* 9072
seasonal variation
*Betula pendula* 3673
*Mentha piperita* 3681
*Salvia officinalis* 6883
*Schizonepeta tenuifolia* 5137
*Tanacetum balsamita* 2319
*Thymus capitatus* 518
*Thymus carnosus* 519
*Thymus hyemalis* 1681
soil types, *Ocimum urticifolium* 3684
tissue culture, *Rosa damascena* 5134
trace elements, *Thymus capitatus* 6232
production
cultural methods
*Anethum graveolens* 2294-2295, 2297
*Chamomilla recutita* 512
*Cymbopogon* 2308
*Cymbopogon citratus* 2310, 4453
*Dracocephalum moldavica* 2311
*Eucalyptus* 2312
*Jasminum grandiflorum* 5120
*Mentha arvensis* 9074
*Mentha piperita* 3679, 9077
*Ocimum gratissimum* 9078
*Pelargonium graveolens* 5130
*Salvia officinalis* 6878, 6881
*Thymus capitatus* 518
seasons, *Ocimum gratissimum* 9078
tissue culture
*Iris sibirica* 4456
*Pimpinella anisum* 4461
taxonomy
*Ageratum conyzoides* 3669
*Calamintha nepeta* 1674
*Elsholtzia ciliata* 513
*Mentha piperita* 3680-3681
*Salvia officinalis* 6880
**Ethiopia**
medicinal plants, surveys 2329
ornamental plants, wild plants, surveys 367
***Etlingera elatior,*** pollination, pollinators, birds 1669
***Eucalyptus***
cut foliage, vase life 6105
diseases, *Stereum* 7897
plant, composition 5110
species, morphology 6105
***Eucalyptus angulosa,*** nutrition, nitrogen 2312
***Eucalyptus camaldulensis,*** plant, composition 6945
***Eucalyptus cinerea***
cut foliage, vase life 6105
frost, resistance, assessment 7944
***Eucalyptus citriodora,*** plant, composition 9083
***Eucalyptus cordata,*** cut foliage, vase life 6105
***Eucalyptus globulus***
plant, composition 6901
plant extracts, application, lemons 1807
***Eucalyptus grandis,*** plant, composition 6945
***Eucalyptus gunnii***
cut foliage
production, cultural methods 9044
vase life 6105
***Eucalyptus gunnii*** *cont.*
frost, resistance, assessment 7944
pests, *Zeuzera pyrina* 9044
***Eucalyptus maidenii,*** cut foliage, vase life 6105
***Eucalyptus neglecta,*** frost, resistance, assessment 7944
***Eucalyptus perriniana,*** cut foliage, vase life 6105
***Eucalyptus polyanthemos,*** cut foliage, vase life 6105
***Eucalyptus pulverulenta,*** cut foliage, vase life 6105
***Eucalyptus stuartiana***
cut foliage
production, cultural methods 9044
vase life 6105
pests, *Zeuzera pyrina* 9044
***Eucalyptus tereticornis,*** plant, composition 6945
***Eucalyptus torquata,*** nutrition, nitrogen 2312
***Eucalyptus viminalis,*** leaves, composition 8062
***Euchresta japonica,*** roots, composition 6946
***Eucommia ulmoides,*** wounds, healing 578
***Eugenia*** *(see also Syzygium)*
***Eugenia javanica,*** leaves, composition 5116
***Eugenia uniflora,*** leaves, composition 3756
***Euodia glauca,*** roots, composition 6947
***Euodia rutaecarpa*** *(see Tetradium ruticarpum)*
***Euonymus fortunei***
as ground cover plants, assessment 7823
cultural methods, containers 1630
cuttings, rooting, growing media 3615
weed control 3618
***Euonymus fortunei*** **var. *radicans,*** as ground cover plants, cultural methods 6004
***Euonymus japonicus***
cuttings, cultural methods 483
planting stock, production, containers 1041
***Eupatorium cannabinum,*** plant, composition 1130
***Eupatorium odoratum,*** as weeds, *Hevea* 8383, 9377
***Eupatorium rotundifolium,*** roots, composition 9153
***Eupatorium subhastatum,*** plant, composition 1131
***Euphorbia*** *(see also* Poinsettias)
plant, composition 1782
***Euphorbia acaulis,*** rhizomes, composition 6948, 8063
***Euphorbia candelabrum,*** plant, composition 639
***Euphorbia characias***
plant, composition 638
tissue culture, physiology 1189
***Euphorbia cupanii,*** plant, composition 5243
***Euphorbia dendroides,*** plant, composition 5243
***Euphorbia ebracteolata,*** roots, composition 1132
***Euphorbia ferganensis,*** roots, composition 9122
***Euphorbia garuana,*** plant, composition 6195
***Euphorbia grantii,*** plant, composition 639
***Euphorbia helioscopia,*** as weeds, *Sorbus aucuparia* 4441
***Euphorbia heterophylla***
as weeds
*Capsicum* 5882
tomatoes 5882
***Euphorbia hirta,*** tissue culture, propagation, micropropagation 4493
***Euphorbia humistrata,*** as weeds, container grown plants 3618
***Euphorbia lathyris***
cold, treatment 8159
irrigation, responses 640
nutrition, nitrogen 640
plant, composition 638, 1782
seedlings, development, biochemistry 1783
***Euphorbia lathyris*** *cont.*
seeds, treatment 8159
***Euphorbia maculata,*** plant, composition 3757
***Euphorbia milii,*** tissue culture, protoplasts 5060
***Euphorbia myrsinites,*** cuttings, cultural methods 4346
***Euphorbia royleana,*** plant, composition 6195
***Euphorbia supina,*** plant, composition 1734, 3757
***Euphorbia thymifolia,*** as weeds, lawns and turf 8988
***Euphorbia tinctoria,*** plant extracts, application, tomatoes 3698
***Euphorbia tirucalli,*** plant, composition 639, 1782, 3758
***Euphorbia trigona,*** plant, composition 8005
**Euphorbiaceae,** plant, composition 5192
***Euphoria*** *(see also* Longans)
***Eupoecilia ambiguella,*** grapes 163, 3214, 7430-7431
***Euptelea polyandra,*** plant, composition 8064
***Eurhizococcus brasiliensis,*** grapes 5606
**Europe,** grapes, cultivars 6546
**Europium,** nutrition, *Thymus capitatus* 6232
***Euryale ferox,*** growing media, composition 981
***Eurydema oleracea***
cabbages 8731
Cruciferae 8731
***Eurydema ornata***
cabbages 8731
Cruciferae 8731
***Eustoma grandiflorum***
cut flowers
production
cultural methods 6010, 6792
soilless culture 6011
tissue culture, organogenesis 4347
***Eutamias amoenus,*** apples 1954
***Eutypa,*** grapes 8640
***Eutypa armeniacae,*** grapes 5604, 6566
***Eutypa lata,*** grapes 5599
***Euxoa ochrogaster,*** grapes 8640
***Evergestis forficalis,*** cabbages 8726
***Exacum affine,*** cultural methods, pot plants 1008, 3624, 4356
***Exobasidium vexans,*** tea 8357
***Exophiala jeanselmei,*** control, of *Botrytis cinerea,* roses 6097
***Exostema caribaeum,*** plant, composition 8065
***Fagara macrophylla,*** plant, composition 8066
***Fagopyrum cymosum,*** leaves, composition 6196
***Fagopyrum esculentum***
seeds, sowing, sowing date 3078
wild plants, edible species 5415
***Fagopyrum tataricum,*** leaves, composition 5193
***Fagus sylvatica,*** pests, *Phyllaphis fagi* 1648
***Fallopia convolvulus***
as weeds
*Gladiolus* 1600
peas 7665
*Sorbus aucuparia* 4441
tomatoes 5883
**Farmyard manure**
utilization
casing, mushrooms 4987
control, diseases, grapes 5598
fertilizers
*Armoracia rusticana* 502, 5102
carrots 2931
*Catharanthus roseus* 3061
chrysanthemums 2941
hops 3695
lettuces 4141
mandarins 8176
oranges 651
satsumas 3145
*Syzygium aromaticum* 6130
tomatoes 966
*Vaccinium angustifolium* 137

**Farmyard manure** *cont.*
utilization *cont.*
fertilizers *cont.*
vegetables 2089
*Zingiber officinale* 3665
growing media
*Ficus benjamina* 7901
horticultural crops 7147, 7176
mushrooms 4988, 4990
olives 9285
soil amendments, cabbages 7550
***Farnya,*** *Macadamia* 1813
**Fats**
characterization, mangoes 5323
composition
almonds 8452
*Auricularia polytricha* 364
*Capparis decidua* 1821
coffee 7076
fruit crops 5414
pecans 3287
metabolism
alcohols, cashews 6290
ripening, avocados 1789
***Fatshedera lizei***
chromosomes 1617
cultural methods, interior decoration 7895
leaves, morphology 1617
plant, composition 469
***Fatsia japonica***
chromosomes 1617
cultural methods, pot plants 5051
leaves, morphology 1617
**Fatty acids**
biosynthesis
horticultural crops 4659
peas 7695
plants 9243
composition
*Aesculus indica* 6899
almonds 1273
*Areca catechu* 2345
*Artemisia anomala* 550
*Artemisia campestris* 6914
*Asparagus* 3466
black currants 6211
*Borago officinalis* 6211
*Borreria stricta* 555
*Calendula officinalis* 2946
*Carex fedia* 3120
cashews 4573
*Cassia fistula* 9132
*Cassia renigera* 9132
cauliflowers 1434
chicory 7512
*Cirsium vallis-demoni* 6181
*Citrus halimii* 4544
coffee 7076
*Coriandrum sativum* 2946
*Dicliptera roxburghiana* 1125
*Epimeredi indica* 6944
*Euphorbia* 5243
*Garcinia huillensis* 3083
*Grewia subinaequalis* 7110
*Hibiscus syriacus* 6899
horticultural crops 4653
*Ilex* 2392
*Lagenaria breviflora* 589
*Lycium barbarum* 3120
mangoes 5323
*Nelumbo nucifera* 8932
*Ocimum sanctum* 5128, 9180
*Oenothera biennis* 6211
olives 6272
*Origanum dictamnus* 3783
*Pentaclethra macrophylla* 1187
persimmons 1213
*Plantago ovata* 1162
*Prunus bokhariensis* 6899
*Psophocarpus tetragonolobus* 8834
*Rhus typhina* 1660
*Salvia aegyptica* 9180
spinach 1434
*Synadenium grantii* 639
*Syzygium cumini* 6364
*Telfairia occidentalis* 258
*Viscum album* 2451
*Voacanga africana* 2452
metabolism
alcohols, cashews 6290
**Fatty acids** *cont.*
metabolism *cont.*
biochemistry
*Cucurbita moschata* 1482
*Oenothera biennis* 4460
okras 6699
*Phaseolus lunatus* 5768
spinach 1432, 2809
dormancy, apples 2637
fungicides, apples 5469
germination, grapes 3324
growth regulators, apples 2637
light
apples 3979
peas 2142
peroxyacetyl nitrate, *Phaseolus vulgaris* 8769
physiology
avocados 5261
*Hibiscus rosa-sinensis* 1652
*Oenothera erythrosepala* 4816
vegetables 4816
ripening
guavas 5311
oranges 4546
strawberries 8622
senescence, carnations 989, 991
storage
apples 80
cucumbers 257, 1484
temperature, grapefruits 1205
tissue culture, *Helianthus maximiliani* 8000
production, cultural methods, *Borago officinalis* 2350
**Feijoas**
cultivars, characteristics, USSR 1209
cultural methods
Australia 5285
Italy 2587
disorders, chilling injury 3858
fruits
development, physiology 3857
ripening, physiology 3857
handling, injuries 7034
harvesting, techniques, assessment 7034
production, USSR 5381
reports, New Zealand 1892
staking, systems 6250
storage 3858
water relations, organogenesis 3856
**Fennel**
cultivars
assessment, USSR 3515, 4447
sowing date 3516
cultural methods, Belgium 979
nutrition, nitrogen 3516
pests, *Thrips flavus* 6131
plant
composition 532, 3516
morphology 532
protected cultivation, cultural methods 1551
roots, composition 2330
seeds
composition 3013
production, cultural methods 3007
**Fenugreek** *(see Trigonella foenum-graecum)*
**Ferns**
spores, germination 3587
surveys, Nepal 4389
tissue culture
propagation
responses 3591
techniques 3592
***Ferocactus acanthodes,*** tissue culture, propagation, micropropagation 439
**Fertilizers**
application
economics
container grown plants 27
grapes 3336
oranges 1198
foliar application
apples 7234
avocados 8164
broccoli 2109
*Capsicum* 7719, 8856
cauliflowers 7549
celery 2178
**Fertilizers** *cont.*
application *cont.*
foliar application *cont.*
Chinese cabbages 7548
chrysanthemums 7838
*Citrus* 9255
cocoa 8264
coffee 6303, 8264
conferences 7120
cucumbers 7767
grapes 2073, 5594, 7417, 7421-7425
guavas 8280
lawns and turf 2246, 7889
lemons 653
melons 4185
nectarines 7368
olives 9295
onions 7477
oranges 7023, 8183
peaches 7303, 7368, 8548
pears 5509
peas 5791, 7670
pecans 812
pistachios 7368
plants 7174
plums 8581, 8585
radishes 7569, 7571
rough lemons 1194
strawberries 3313, 7368, 8618
sugarcane, reviews 9392
temperate fruits 7209
tomatoes 7766-7767
tropical crops, reviews 3171
vegetables 7454
*Vicia faba* 1494
watermelons 7601
irrigation
apples 5462, 6435, 7237
bananas 3167, 6287
*Capsicum* 304, 5856
cauliflowers 2827
*Cucurbita pepo* 2844
grapes 3336, 5586
*Litchi* 6263
melons 7602
olives 9294
oranges 6253
poinsettias 5076
pot plants 8970
rough lemons 1194
strawberries 2737
temperate fruits, reviews 6416
tomatoes 331-332, 2906, 2912-2913, 4314, 5896, 5917-5918, 8883, 8892
seasons
bananas 8238
*Lilium* 8981
pears 106
peas 275
techniques
*Capsicum* 3481, 6708
Cucurbitaceae 5725
dates 2527
fruit crops 5411
hops 6888
lawns and turf 423
*Lilium* 8981
onions 7477
radishes 7569, 7571
tomatoes 2906
placement
bananas 4567
*Hevea* 710
limes 7027
tomatoes 5896
types
liquid fertilizers
*Capsicum* 3481
hops 6888-6889
oranges 650
tomatoes 5895
manures
*Brassica* 4876
cabbages 7546
leeks 7546
lettuces 6615
oil palms 1223
tomatoes 6732

**Fertilizers** *cont.*
types *cont.*
slow release fertilizers
*Begonia tuberhybrida* 4368
celery 2177
conifers 463
*Ficus lyrata* 4398
*Hibiscus rosa-sinensis* 1651
lawns and turf 422
mandarins 6252
oranges 650, 3140
*Rhododendron* 5077
*Rhododendron obtusum* 6089
strawberries 7355
tomatoes 7765
*Vaccinium corymbosum* 5550
*Vicia faba* 5773
woody plants 2283
***Ferula calcarea,*** roots, composition 3080
***Ferula fukanensis,*** plant, composition 579
***Ferula jaeschkeana***
plant, composition 9154
rhizomes, composition 1133, 5117
***Ferula kopetdaghensis,*** roots, composition 3081
***Ferula latipinna,*** plant, composition 7998
***Ferula orientalis,*** roots, composition 8067
***Ferula sinkiangensis,*** plant, composition 579
***Ferula soongarica,*** roots, composition 3079
***Ferula subtilis,*** roots, composition 3079
***Ferula tadshikorum,*** wild plants, edible species 5615
***Festuca***
as weeds, vegetables 176
cultivars, assessment, USSR 7881
***Festuca arundinacea***
allelopathy 2242
competition, *Lolium multiflorum* 3584
cultivars
assessment, USA 2241
characteristics, USA 2964, 4383, 7882, 7884
diseases 2964, 7882, 7884
transpiration 6038
herbicides, tolerance 6040
photosynthesis, measurement 426
soilless culture, cultural methods 4385
transpiration, measurement 6045
utilization, lawns and turf 2241
weed control 6040
***Festuca glacialis,*** landscaping, assessment 2200
***Festuca novae-zelandiae,*** landscaping, assessment 2200
***Festuca ovina***
as cover crops, grapes 2764
cultivars, assessment, USSR 4381
drought, responses 1610
irrigation, requirements, determination 5049
***Festuca pratensis,*** as cover crops, apples 758
***Festuca rubra***
as cover crops
grapes 2764
peaches 7300
cultivars
assessment, USSR 5048, 7880
characteristics, USSR 2960
diseases 5048
drought, responses 1610
growth regulators, amidochlor, responses 421
growth retardation, growth regulators 421
intercropping
barley 8994
wheat 8994
irrigation, requirements, determination 5049
seeds, production, cultural methods 8994
**Fibre**
composition
almonds 3946
*Asparagus* 3468
*Auricularia polytricha* 364
*Capparis decidua* 1821
coffee 7076
fruit crops 5414
**Fibre** *cont.*
composition *cont.*
horticultural crops 184
mangoes 3946
*Opuntia* 5290
plums 3946
vegetables 2086
*Zingiber officinale* 4446
determination, *Asparagus* 3469
metabolism
boron, broccoli 5688
potassium, tea 9403
seasonal variation, *Opuntia ficus-indica* 677
storage, *Asparagus* 7705
**Fibreglass**
utilization
overwintering
*Citrus* 6245
oranges 3129
**Fibres,** development, nutrition, *Agave fourcroydes* 2321
***Ficus*** (*see also* Figs)
cultural methods, interior decoration 7895
***Ficus benghalensis,*** pollution, research 7149
***Ficus benjamina***
cultivars, transport 7900
cultural methods
containers 4412
pot plants 7891, 7894, 7901, 8997
cuttings
rooting, aeration 4354
treatment 6826
nutrition
iron 4391
nitrogen 5088
protected cultivation, temperature 2247
seeds, treatment 1649
utilization, protective plants, pollution 5088
***Ficus elastica***
cultural methods, pot plants 7891
leaves, physiology 4656-4658
***Ficus glabrata,*** plant, composition 1735
***Ficus lyrata***
cultural methods, pot plants 4397
diseases, *Pseudomonas cichorii* 4397
leaves, histology 1028
nutrition 4398
tissue culture, propagation, micropropagation 440
***Ficus pumila***
reports, Taiwan 7136
seeds, germination, culture media 3272
soilless culture, systems, hydroponics 2969
tissue culture, propagation, techniques 3272
***Ficus religiosa,*** tissue culture, propagation, techniques 1650
***Ficus retusa***
cuttings
rooting, seasonal variation 5090-5091
treatment 5089-5091
pests, *Gynaikothrips ficorum* 4387
***Ficus sycomorus,*** characteristics 9409
**Figs**
air layering, treatment 1327
cultivars, assessment, USSR 1981
leaves, composition 3296
pests, *Prionoxystus robiniae* 6484
pollination, pollinators, Agaonidae 7293
production
Turkey 8528
USSR 5381
reports, Berlin 2585
statistical methods, experimental design 6380
tissue culture, biochemistry 1982
**Filberts** (*see* Hazelnuts)
***Filipendula ulmaria***
flowers, composition 2799, 3082
plant, composition 40, 8068
**Finland,** *Lonicera tatarica,* hybrids 3645
**Fish poisons**
sources
*Acacia catechu* 3122
*Aegle marmelos* 3122
**Fish poisons** *cont.*
sources *cont.*
*Ateleia glazioviana* 2454
*Colebrookea oppositifolia* 3122
*Diploknema butyracea* 4530
*Lagenaria abyssinica* 525
*Miliusa velutina* 3122
*Phyllanthus anisolobus* 2337
*Polygonum hydropiper* 3122
*Randia* 3122
*Sapium sebiferum* 5415
*Tephrosia vogelii* 9096
*Terminalia alata* 3122
*Thapsia garganica* 5248
*Thinouia coriacea* 2454
*Trachomitum venetum* 2325
***Fittonia verschaffeltii,*** cultural methods, pot plants 6049
***Flacourtia indica,*** plant, composition 1215
***Flacourtia jangomas,*** fruits, composition 4604, 6361
***Flammulina velutipes,*** composition 1554, 8933-8934
***Flaveria,*** chromosomes 7825
**Flavonoids**
characterization
*Ammothamnus lehmannii* 1102
apples 3978
*Blumea balsamifera* 6920
*Brosimopsis oblongifolia* 3055
*Buxus sempervirens* 8033
*Caesalpinia sappan* 2356, 3057
*Centaurea alexandrina* 5175
*Cirsium* 3738
*Combretum caffrum* 1727
*Daphne genkwa* 1124
*Daphne odora* 3075
*Dracaena loureiri* 8055
*Epimedium* 2384
*Epimedium koreanum* 5190
*Erythrina berteroana* 3024
*Erythrina senegalensis* 8061
*Euchresta japonica* 6946
*Filipendula ulmaria* 3082
*Garcinia kola* 8072
*Ginkgo biloba* 487
*Illicium anisatum* 5200
*Iris spuria* 6961
*Iryanthera laevis* 724
mandarins 1200
*Melicope triphylla* 5205
*Neorautanenia mitis* 1687
oranges 5282
*Pachypodanthium staudtii* 6213
*Phyllanthus sellowianus* 8097
*Pongamia pinnata* 1765, 4515
*Primula japonica* 6001
*Primula pulverulenta* 6001
*Pterocaulon purpurascens* 1766
*Rhamnus lycioides* 8101
*Scutellaria* 3110
*Sophora secundiflora* 5229
*Strychnos variabilis* 1771, 6991
*Urtica dioica* 1777
*Vinca major* 5242
*Wisteria floribunda* 2453
composition
*Abies spectabilis* 9108
*Abrus precatorius* 2339
*Andrographis paniculata* 3721
*Andromeda polifolia* 1643
antibacterial plants 6163
apricots 4715
*Arnica* 1712
*Artemisia* 1105
*Artemisia alba* 1064
*Artemisia annua* 8026
*Artemisia anomala* 549-550
*Artemisia caerulescens* 3712
*Artemisia judaica* 1107
*Artemisia variabilis* 1714
*Artocarpus integer* 3165
*Astragalus kabadianus* 9121
*Astragalus virgatus* 3727
*Bauhinia manca* 6919
*Begonia erythrophylla* 1015, 3565
*Borreria stricta* 555
*Caesalpinia decapetala* 3056
*Calamintha sylvatica* 3712
*Calliandra portoricensis* 4480
*Calophyllum* 527

**Flavonoids** *cont.*
composition *cont.*
*Camellia chrysantha* 9035
*Campanula maleevii* 8037
*Caragana frutex* 1112
*Carduus nutans* 9131
carnations 5965
*Centaurea floccosa* 1113
*Centaurea khotchii* 6900
*Centaurea pallescens* 2360
*Chamomilla recutita* 562
*Chrysanthellum indicum* 1115
chrysanthemums 5987
*Citrus* 4550
*Citrus nobilis* 1199
*Codonopsis clematidea* 1725
*Combretum micranthum* 1119
*Cornus florida* 9140
*Crataegus* 3745
*Cratoxylum pruniflorum* 1729
*Crinum americanum* 6820
*Crocosmia crocosmiiflora* 6937
*Cudrania cochinchinensis* 5182
*Dalbergia candenatensis* 1123
*Daphne odora* 3023
*Daphnopsis sellowiana* 9144
*Dicliptera roxburghiana* 1125
*Echinops echinatus* 6943
*Ephedra fragilis* 576
*Erythrina sigmoidea* 9152
*Erythroxylum* 5191
*Eupatorium subhastatum* 1131
*Fagopyrum tataricum* 5193
*Filipendula ulmaria* 2799
*Garcinia kola* 581
*Genista aetnensis* 3084
*Genista patula* 1702
*Ginkgo biloba* 6198
globe artichokes 209
*Glycyrrhiza inflata* 6955
guavas 697
*Helichrysum nitens* 6150
*Hippophae rhamnoides* 7142
*Hypericum aucherii* 9164
*Ilex* 2392
*Kalanchoe laciniata* 6201
*Lawsonia inermis* 3089
*Lilium candidum* 6812
*Lomatium dissectum* 9171
*Lycium barbarum* 3093
medicinal plants 8004, 9101
reviews 6162
*Mercurialis annua* 1747
*Muscari neglectum* 5046
*Ocimum basilicum* 1069, 8082
onions 2799
*Ononis pubescens* 3712
*Onopordum macracanthum* 2410
*Ophiopogon japonicus* 595
*Origanum compactum* 4507
*Origanum dictamnus* 1070
*Origanum vulgare* 2303
ornamental plants 5950
*Osbeckia chinensis* 3785
pawpaws 6316
*Periploca nigrescens* 1758
persimmons 1212
*Phyllanthus fraternus* 6217
plums 8572
*Polygonum amplexicaule* 3792
*Potentilla fruticosa* 9194
*Primula* 6783
*Pueraria lobata* 5216
pummelos 3838
*Pyrrosia lingua* 612
*Rhodiola crassipes* 4519
*Ribes aureum* 1168
*Rosmarinus officinalis* 8104
*Salvia cardiophylla* 6982
*Salvia lavandulifolia* 6226
*Sanguisorba minor* 618
*Satureja obovata* 3108
*Scutellaria indica* 3111
*Scutellaria polyodon* 1702
*Senecio sanguisorbae* 5225
*Silybum marianum* 3806
*Solidago* 1692
*Solidago canadensis* 4523
*Solidago virgaurea* 4523
*Spartium junceum* 1702
*Tephrosia candida* 1774

**Flavonoids** *cont.*
composition *cont.*
*Terminalia macroptera* 5233, 6994
*Teucrium* 6231
*Teucrium hyrcanicum* 3817
*Teucrium polium* 1175
*Thymus carnosus* 1178
*Trachelospermum jasminoides* 5237
tulips 6815, 8984
*Vaccinium* 2718
*Vaccinium myrtillus* 2720
*Vicia truncatula* 1702
*Virola calophylloidea* 7001
*Viscum album* 2451
*Viscum cruciatum* 1183
*Zingiber officinale* 7965
*Ziziphus rugosa* 7004
*Ziziphus sativa* 7005
*Zoegea leptaurea* 6900
determination
*Artemisia scoparia* 551
oranges 2522
plants 1896
*Pueraria lobata* 2422
extraction, *Morus* 1091
metabolism
arsenic, avocados 3123
biochemistry
*Petroselinum crispum* 5106
*Sinningia cardinalis* 4379
*Tradescantia virginiana* 6798
*Vicia faba* 7651
calcium, avocados 3123
flowering, *Dendrobium* 6839
genetics, *Petunia* 7846
growth regulators, cherries 788
ripening, *Litchi* 3154
seasonal variation
mandarins 2523
*Senecio nemorensis* 2434
tissue culture, *Glycyrrhiza echinata* 3086
production
cultural methods
*Bupleurum multinerve* 1111
*Crataegus* 3744
*Fagopyrum esculentum* 3078
taxonomy
*Artemisia alba* 1064
*Calamagrostis* 1896
*Citrus* 2523, 4551
*Justicia pectoralis* 9166
*Oenothera* 9181
Ranunculaceae 739
*Sideritis* 2436
**Flooding**
*Capsicum* 7726
*Citrus* 4539
hops 520
peas 5791
pecans 7319-7320
sugarcane 712, 5335
tea 1239, 1870, 6356
tomatoes 2895
*Vaccinium ashei* 2032, 4047, 7353
*Vaccinium corymbosum* 133-134
**Flowers** (*see also* Cut flowers)
abscission, physiology, pistachios 2009
biochemistry, herbicides, *Liriodendron tulipifera* 5097
colour
biochemistry
*Alstroemeria* 6818
*Callistephus* 5019
*Camellia* 462
*Camellia chrysantha* 9035
carnations 5963, 5965
*Centaurea cyanus* 5020
chrysanthemums 5987, 8952
*Dendrobium* 455, 6839
roses 2997-2998
*Salvia* 403
*Sinningia cardinalis* 4379
tulips 6815
*Typha latifolia* 6047
breeding
*Camellia* 6076, 9032
carnations 5967
*Disa uniflora* 2977
*Disa uniflora* × *Disa tripetaloides* 9012

**Flowers** *cont.*
colour *cont.*
breeding *cont.*
sweet peas 6013
tulips 6815
clones, *Iris pumila* 8976
genetics
*Callistephus* 5019
chrysanthemums 5987
*Petunia* 1581, 7846
*Pharbitis purpurea* 2942, 5995
tulips 8984
mutants, carnations 5963
senescence, roses 5081
development
assessment
apples 2639
avocados 7014
chrysanthemums 5991
kiwifruits 126
*Lilium longiflorum* 2230
*Lycoris radiata* 5044
Orchidaceae 6840
walnuts 7332
biochemistry
carnations 379
*Narcissus pseudonarcissus* 1605
*Thevetia peruviana* 3651
books
subtropical crops 7116
tropical crops 7116
climate
cocoa 8258
*Simmondsia chinensis* 9228
cultivars
almonds 4668
apples 7259
bananas 2547
cashews 9314
hazelnuts 6482
walnuts 123
cultural methods
atemoyas 8230
*Rosa damascena* 2318
cyanamide, apples 4695
cytology
*Gasteria verrucosa* 5042
*Narcissus pseudonarcissus* 1605
defoliation, apples 2638
drought, cocoa 9317
environment, Orchidaceae 6062
flooding, *Vaccinium corymbosum* 133-134
fruiting
apples 1294
*Citrus latifolia* 1201
genetics, Orchidaceae 6062
growth regulators
apples 8471
*Aster* 6785
bedding plants 8963
*Calendula officinalis* 6785
*Camellia williamsii* 6080
*Campanula poscharskyana* 6789
cherries 785, 3269
*Citrus latifolia* 1201
*Gaillardia grandiflora* 7851
*Gladiolus* 6808
*Jasminum multiflorum* 7927
mangoes 1222, 8286
okras 7706
peaches 103
pears 7312
*Pharbitis nil* 387
*Rhododendron obtusum* 4418
strawberries 3316
tomatoes 347, 965, 5887, 8911
histology
*Actinidia chinensis* var. *chinensis* 7338
*Ardisia crispa* 1644
*Epidendrum ibaguense* 9022
kiwifruits 7338
*Vitis riparia* 8649
humidity
apples 8512
atemoyas 4563
irrigation
*Rhododendron* 7930
*Simmondsia chinensis* 9234

**Flowers** *cont.*
development *cont.*
light
bananas 5298
*Capsicum* 7727
carnations 5973
*Hibiscus rosa-sinensis* 1651
peaches 6489
*Pelargonium* 1580, 6782
roses 6098
*Stevia rebaudiana* 7010
*Trachelium caeruleum* 6019
morphology
*Echeveria derenbergii* 7899
peaches 8533
nutrition
cocoa 9332
*Simmondsia chinensis* 9234
*Stevia rebaudiana* 7010
*Tagetes erecta* 7856
photoperiodism
*Anemone coronaria* 404
*Capsicum* 7727
carnations 5980-5981
*Gaillardia grandiflora* 7851
*Gypsophila paniculata* 6012
ornamental plants 6784
physiology
apricots 3994
*Freesia* 2224
mangoes 8292
okras 8845
olives 7048
*Simmondsia chinensis* 8141
position, peaches 2000, 8533
protected cultivation, melons 5716
provenance, *Rhododendron* 3632
pruning
grapes 7402
*Tagetes erecta* 8964
rootstock scion relationships, apples 4673
shade, olives 7045
soil temperature
ornamental bulbs 7827
roses 7827
soil water, atemoyas 4563
spacing
oil palms 8298
*Tagetes erecta* 7856, 8964
temperature
almonds 7216
*Anemone coronaria* 404
apples 8512
atemoyas 4563
avocados 2489-2490, 2497, 7014, 8163
chrysanthemums 1563, 2208, 3547
cocoa 9317
*Gypsophila paniculata* 6012
kiwifruits 2020
*Lilium longiflorum*, reviews 1604
*Litchi* 6264
nectarines 6493
passion fruits 674
*Pelargonium* 1580, 6782
*Rhododendron* 3632
roses 6098
*Saintpaulia* 2945
*Vaccinium* 2035
*Vaccinium ashei* 138
drop
cultivars, walnuts 2015
growth regulators
Bignoniaceae 2281
*Capsicum* 5852
*Macadamia* 1210
peaches 4735
irrigation, *Phaseolus vulgaris* 4912
light, peas 6697
silver thiosulphate, *Hibiscus rosa-sinensis* 3001
spacing, *Phaseolus vulgaris* 4912
temperature, *Hibiscus rosa-sinensis* 3001
transport, *Hibiscus rosa-sinensis* 7946
water relations, cocoa 8258

**Flowers** *cont.*
fragrance
biochemistry
*Platanthera stricta* 1628
*Rosa* 1639
roses 5133
*Stanhopea* 452
*Stanhopea anfracta* 453
woody plants 5074
*Zygopetalum mackayi* 9023
diurnal variation
citrons 6108
*Hoya carnosa* 6108-6109
*Odontoglossum constrictum* 6108
*Stephanotis floribunda* 6108
light, *Hoya carnosa* 6109
initiation
biochemistry
*Pharbitis nil* 998
pineapples 2562
spinach 4861, 8708
cultivars
bananas 2547
peaches 1998
*Pyrus pyrifolia* 808
cultural methods
*Achimenes grandiflora* 3574
tomatoes 6727
deblossoming, apples 1957
defoliation
apples 4694
guavas 8281
flooding, *Vaccinium ashei* 4047, 7353
grafting, mangoes 6312
growth regulators
apples 761, 2626, 3246, 5454, 7258
cherries 4720
chrysanthemums 1569
*Clerodendrum thomsoniae* 482
cucumbers 4194
*Dieffenbachia* 9001
*Exacum affine* 1008
globe artichokes 208
guavas 4584
*Impatiens balsamina* 400
*Jasminum arborescens* 6873
nectarines 1383, 3280
pears 105, 3284, 6498, 7313
*Pharbitis nil* 997
pineapples 706, 2562, 6324
*Rhipsalidopsis gaertneri* 2258
spinach 4129
*Streptocarpus nobilis* 2219
histology, *Camellia* 5075
irrigation
peaches 6488
*Vaccinium corymbosum* 135
light
Chinese cabbages 3385
*Clematis* 481
*Clerodendrum thomsoniae* 482
*Hibiscus rosa-sinensis* 1651
*Iris ensata* 6810
*Pelargonium* 1580
*Pharbitis nil* 2209, 7844
*Simmondsia chinensis* 9233
nutrition
guavas 4584
pineapples 2562
orientation, apples 761
photoperiodism
*Allium tuberosum* 5646
*Campanula carpatica* 6008
*Campanula poscharskyana* 6009
carnations 5979
chrysanthemums 1575, 1577
*Clematis* 481
*Clerodendrum thomsoniae* 482
grapes 1399
*Gypsophila paniculata* 6012
*Impatiens balsamina* 3558
*Lagenaria siceraria* 4193
*Luffa aegyptiaca* 4193
*Meconopsis betonicifolia* 401
*Perilla frutescens* 3686
*Rhipsalidopsis gaertneri* 2258
spinach 4129, 4861
strawberries 2041

**Flowers** *cont.*
initiation *cont.*
photoperiodism *cont.*
*Streptocarpus nobilis* 2219
*Vicia faba* 5778
photosynthesis, stone fruits 2662
physiology
apples 7258
apricots 6469
coffee 6306
mangoes 6312
olives 8219-8220
pecans 7321
*Pharbitis purpurea* 7843
tomatoes 6719
pruning
peaches 1335
pears 7313
pecans 7321
ringing, *Litchi* 5286
seasons
pineapples 2562
*Pyrus pyrifolia* 808
soil temperature, Chinese cabbages 3383
temperature
*Anemone coronaria* 404
chrysanthemums 1576-1577
*Cymbidium* 7911
globe artichokes 208
*Gypsophila paniculata* 6012
*Meconopsis betonicifolia* 401
passion fruits 674
pears 109
*Pelargonium* 1580
poinsettias 1635
spinach 4861
strawberries 2738
*Vicia faba* 5778
woody plants 1037
tissue culture
*Amaranthus* 5017
*Kalanchoe blossfeldiana* 7903
water relations
*Hippeastrum* 2234
mangoes 8291
waterlogging, mangoes 7082
sex
climate, oil palms 9368
determination, grapes 170
gamma radiation, cucumbers 8760
growing media, cucumbers 6648
growth regulators
*Capsicum* 8861
cucumbers 1469, 4194
photoperiodism
*Lagenaria siceraria* 4193
*Luffa aegyptiaca* 4193
spacing, *Simmondsia chinensis* 8123
size
breeding, *Camellia* 9032
growth regulators
*Exacum affine* 1008
*Portulaca grandiflora* 8963
nutrition, chrysanthemums 7838
photoperiodism, *Meconopsis betonicifolia* 401
thinning
growth regulators, stone fruits 5498
responses
almonds 3944
grapes 4796
okras 2148
tomatoes 345
techniques
apples 5471
strawberries 3316
variegation, tissue culture, *Saintpaulia* 7847
**Fluorine**
absorption
*Phaseolus vulgaris* 7625
tomatoes 7625, 8897
toxicity
*Gerbera* 995
tomatoes 8897
***Foeniculum*** (*see also* Fennel)
**Foliage plants**
cultural methods, pot plants 2969, 3589, 9005

**Foliage plants** *cont.*
diseases
books 1243
control
Italy 7897
USA 431
disorders, books 1243
insecticides, injuries 7892
pesticides, application 2971
protected cultivation
systems, greenhouses 8941
weed control 3586
transport, systems, assessment 3590
***Fomes rimosus,*** *Pistacia lentiscus* 2455
**Forcing** (*see also* Protected cultivation)
*Agapanthus africanus* 6005
*Anemone coronaria* 404
*Asparagus* 8839
chicory 1435, 2818, 3370-3371, 6610
globe artichokes 4131
*Hippeastrum* 2234
*Lilium* 412, 4374, 8982
*Lilium longiflorum,* reviews 1604
*Lilium regale* 1602
nectarines 6493
*Rhododendron* 6093
*Spathiphyllum* 4404
strawberries 7364
tulips 414, 2956-2957, 6033
***Forcipomyia,*** pollinators, cocoa 9333
**Forecasting**
diseases
*Botrytis cinerea,* grapes 2772
*Hemileia vastatrix,* coffee 1837
*Mycosphaerella fijiensis* var. *difformis,* bananas 7060
*Plasmopara viticola,* grapes 1394, 2772
*Pseudomonas syringae* pv. *tomato,* tomatoes 1536
*Pseudoperonospora cubensis,* cucumbers 7604
*Venturia inaequalis,* apples 8494
disorders, stalk necrosis, grapes 2077
flowering, apples 2639
flowering date
almonds 7216
apples 770
pears 109
harvesting date
bananas 3869
lettuces 6618
pests
*Calepitrimerus vitis,* grapes 6567
*Dacus oleae,* olives 2539
*Quadraspidiotus perniciosus,* temperate fruits 7305
yields
apples 3247
coffee 7152
oil palms 9372
oranges 7152
**Formicidae**
Brussels sprouts 8671
*Citrus* 9253
sugarcane 8387
***Forsythia,*** cultivars, characteristics, Canada 484
***Forsythia intermedia***
cultivars, characteristics, USA 6106
cultural methods, containers 1630
cuttings, rooting, growing media 3615
mutants, induction, neutron radiation 6106
planting stock, production, containers 2268
***Forsythia mandschurica,*** cuttings, treatment 5092
***Forsythia ovata***
cuttings, treatment 5092
tissue culture, propagation, meristems 3616
***Forsythia saxatilis,*** cuttings, treatment 5092
***Forsythia spectabilis,*** planting stock, production, techniques 1051
***Forsythia suspensa,*** plant, composition 1091
***Forsythia viridissima***
cuttings, treatment 5092
plant, composition 1091
***Fortunella,*** taxonomy, keys 9244
***Fortunella crassifolia,*** taxonomy, nomenclature 9244
***Fortunella japonica,*** fruits, composition 9276
***Fortunella obovata,*** taxonomy, nomenclature 9244
***Fragaria*** (*see also* Strawberries)
**France**
apricots, cultivars 1966
*Asparagus,* cultivars 3463
carnations, cultivars 5962, 5971
cherries, cultivars 87
cut flowers, marketing 7833
cut foliage, marketing 7833
*Gentiana lutea,* cultural methods 6953
grapes
cultivars 151, 840
diseases, control 7426
pests, control 7426
production 19
rootstocks 2056
horticultural crops, marketing 7138
olives, production 2534
ornamental plants, nurseries 1560
peaches, cultivars 1987
pineapples, research 1890
pot plants, marketing 7833
strawberries, cultural methods 1880
temperate fruits
production 1270
research 3229
tomatoes, cultivars 3487
walnuts, cultivars 1356
***Frankliniella intonsa,*** strawberries 8621
***Frankliniella occidentalis***
apples 7250
cucumbers 252, 7607
melons 7607
ornamental plants 7830-7831
vegetables 180
***Frankliniella schultzei,*** tomatoes 5913
***Fraxinus***
herbicides, tolerance 6070
weed control 6070
***Fraxinus americana,*** frost, resistance, physiology 7917
***Fraxinus excelsior***
landscaping
roadsides 457
urban sites 6066
planting stock, production, containers 7920
***Fraxinus japonica,*** plant, composition 1091
***Fraxinus mandshurica,*** plant, composition 1091
***Fraxinus pennsylvanica***
frost, resistance, physiology 7917
landscaping, urban sites 7945
plant, morphology 7945
pruning, responses 1034
wounds, healing 1036
***Fraxinus velutina,*** parasitic plants, *Phoradendron tomentosum* 1033
***Freesia***
corms
development, temperature 6804
production, cultural methods 4372
cultivars, tissue culture 4371
cut flowers, production, cultural methods 4372
flowers
development, physiology 2224
senescence 2224
growth regulators, ethylene, injuries 4631
planting, seasons 4372
tissue culture, propagation, ovules 4371
***Freesia refracta***
cultural methods, China 6805
flowers, histology 8967
***Fritillaria eduardii,*** plant, composition 3759
***Fritillaria severtzovii,*** plant, composition 3759
**Frost** (*see also* Cold; Winter hardiness)
injuries
apples 5445
apricots 2650
assessment, *Citrus* 3130
cabbages 7555
**Frost** *cont.*
injuries *cont.*
cauliflowers 7534
*Citrus* 3852
grapes 2763
horticultural crops 7151
olives 2537
onions 8689
oranges 3127, 3129, 3150, 8181
peaches 1333
pears 5445
plums 7324
quinces 2701
spinach 2807-2808
strawberries 5558
temperate fruits 5416, 7206
*Vaccinium angustifolium* 6519
*Vaccinium corymbosum* 5546
*Valerianella locusta* 982
woody plants 7150
protection
cultural methods
apples 3238
*Citrus meyerii* 3830
lemons 3830
oranges 3127, 3132
temperate fruits 7207
economics, apples 3239
heaters
apples 3239
horticultural crops 8439
temperate fruits 7207
irrigation
apples 3239, 7229
*Citrus* 646
grapes 4793, 5586
horticultural crops 7155
oranges 1793, 3131
strawberries 4770
temperate fruits 7207
materials
*Citrus* 6245-6246
*Simmondsia chinensis* 9223
strawberries 4770, 5559
sawdust, tea 3195
shelterbelts, tea 3894
snow, *Citrus* 6246
techniques
apples 8598
black currants 8598
strawberries 8598
temperate fruits 7207
whitewash, apples 5448
wraps, oranges 3129, 3131
resistance
anatomy, woody plants 37
assessment
apples 2624, 2634, 8511
cherries 786
*Eucalyptus cinerea* 7944
*Eucalyptus gunnii* 7944
*Eucalyptus neglecta* 7944
grapes 2754
mandarins 1790
peaches 1332
*Prunus* 1918
*Prunus ussuriensis* 2704
stone fruits 1319
walnuts 1357
woody plants 4413, 9027
books 5364
bacteria
strawberries 4769
temperate fruits 5416
biochemistry
apples 2635, 7257
carrots 2930
grapes 1398, 2079, 7393
*Simmondsia chinensis* 3121
walnuts 1357
cultivars
apples 1923, 1928, 2619, 4692, 5430, 5445, 5447, 8510
apricots 1311, 2647, 2651, 3983-3984, 3987
black currants 8598
blackberries 2025
cherries 2653, 3996, 4717
garlic 7713

**Frost** *cont.*
- resistance *cont.*
  - cultivars *cont.*
    - grapes 847, 1397, 2079, 2750, 2780, 3329-3330, 4072, 4090, 7376, 7393
    - *Hippophae rhamnoides* 2742, 4065
    - mandarins 2511
    - nectarines 99, 7296
    - olives 2535, 2537
    - oranges 1790
    - peaches 99, 4727, 7298
    - pears 2686
    - *Pittosporum tenuifolium* 9027
    - plums 2698
    - *Prunus* 1310
    - quinces 2701
    - raspberries 823, 2026, 2712, 7346, 8601
    - spinach 4125
    - stone fruits 1319, 2675
    - *Syringa* 4417
    - *Vaccinium corymbosum* 1367
  - cyanamide, peaches 6486
  - growth regulators
    - apples 4692
    - fruit crops 6412
    - grapes 849, 1397
    - peaches 6486
  - irrigation
    - cherries 7284
    - peaches 7284
  - nutrition
    - avocados 6241
    - *Eucalyptus cinerea* 7944
    - *Eucalyptus gunnii* 7944
    - *Eucalyptus neglecta* 7944
    - satsumas 3145
  - photoperiodism, grapes 2776
  - physiology
    - apples 1955, 2633, 8510
    - apricots 6469
    - blackberries 6518
    - cherries 787
    - grapes 1398, 2776, 4090, 7393, 8626
    - mandarins 8176
    - olives 3158
    - oranges 6255
    - satsumas 3145
    - spinach 2808
    - woody plants 3253, 7917
  - rootstock scion relationships
    - apples 5439
    - grapes 6548
    - olives 2537
    - peaches 1989, 3275, 5439
  - rootstocks
    - apples 1284
    - cherries 4718
    - grapes 6547
  - temperature, grapes 2776
  - tests
    - apples 2635-2636, 6423
    - cherries 2653
    - grapes 847, 2061, 8626
- responses
  - almonds 48
  - oranges 2524
  - sugarcane 3189

**Fruit crops**
- acaricides, pest resistance 6419
- Argentina, bibliographies 7137
- cultivars, winter hardiness 7145
- cultural methods, mechanization 5411
- diseases
  - Erysiphales 1264
  - fungi 1263
- dwarfing, cultural methods 5386
- fruits
  - composition 24, 1267
  - mechanical properties, assessment 93, 7199
  - quality, packing 7196
- fungicides, application 1263, 6421
- grading
  - equipment 43
  - techniques 42, 4660
- growth retardation
  - cultural methods 7129

**Fruit crops** *cont.*
- growth retardation *cont.*
  - growth regulators 7129
- handling, injuries 7198
- harvesting
  - equipment 3939
  - injuries 7198, 8522
  - techniques, mechanical harvesting 41, 2607, 7195, 7213, 8438, 8522
- insecticides, residues 5402
- irrigation
  - economics 7157
  - water, sources 3926
- mycorrhizas 5398
- nutrients, requirements, assessment 6280
- nutritional value 184
- packing
  - containers 8442
  - materials 4620
- pesticides, application 3938, 6421, 7186-7187, 8424
- pests
  - Acari 8379
  - *Anastrepha suspensa* 8422
  - *Ceratitis capitata* 3933
  - control
    - India 4649
    - Israel 5404
    - Japan 7180
  - *Dacus tryoni* 7182
  - Lepidoptera 6420
  - *Nipaecoccus viridis* 4650
  - *Panonychus ulmi* 6419
  - *Parthenolecanium pruinosum* 5406
  - Tephritidae 4614
- plant, development, measurement 7194
- planting
  - orientation 4663
  - spacing 4663, 5386
- pollination, compatibility 7212
- production
  - Argentina 7204
  - Chile 7204
- products, timber 2984
- pruning, equipment 736
- replanting
  - diseases 7396
  - economics 5387
- reports
  - Canada 12
  - India 4619
- research, conferences 8380
- respiration, measurement 5409
- rootstocks, dwarfing 7129
- rotations 7396
- spraying, equipment 3940
- storage
  - packing 7196
  - physiology 2609
  - systems, cold storage 6413
  - wraps, reviews 6414
- tissue culture
  - responses, light 1257
  - techniques 3924
- training, systems 4663
- transpiration, physiology 2609
- transport, containers 8442
- weed control 29, 848, 4348, 8447
- weeds
  - populations, assessment 5418
  - surveys, Syria 8394

**Fruits**
- abscission
  - physiology
    - apples 4696, 7262
    - cherries 1320
- areas, assessment, *Capsicum* 8860
- aroma
  - biochemistry
    - *Carica pubescens* 4606
    - *Cydonia sinensis* 4024
    - pummelos 9277
    - *Solanum muricatum* 5291
    - tomatoes 4332
  - growth regulators, apples 2644
  - storage
    - apples 2644
    - tomatoes 4332

**Fruits** *cont.*
- biochemistry
  - cultivars
    - apples 752
    - cherries 2655
    - *Hippophae rhamnoides* 832, 2744
    - oranges 5264
    - persimmons 1819
    - *Ziziphus sativa* 7109
  - cyanamide, plums 120
  - defoliation
    - apples 5460
    - grapes 6553
    - tomatoes 342
  - flooding, *Vaccinium corymbosum* 133
  - growing media, *Capsicum* 298
  - growth regulators
    - apples 3246, 3262, 8470
    - cherries 785
    - grapes 4811, 6574, 8653
    - peaches 6495
    - pears 4744, 8565
    - plums 8584-8586
  - handling, persimmons 3863
  - harvesting date, *Vaccinium ashei* 4053
  - nutrition
    - apples 4685, 5459, 7234
    - grapes 1385, 2072, 3336, 4797, 6561
    - peaches 8548
    - plums 8581, 8585
    - tomatoes 2908, 5898, 7770
    - *Ziziphus mauritiana* 5353
  - pollination
    - cucumbers 2838
    - *Hippophae rhamnoides* 2747
  - pruning
    - apples 3957
    - grapes 1381, 3334
    - peaches 8544
  - rootstock scion relationships
    - *Citrus* 1791
    - grapes 7385
  - salinity, tomatoes 4318
  - size, *Hippophae rhamnoides* 2744
  - soil water, apples 759
  - soilless culture, tomatoes 4331
  - spacing, grapes 4792
  - storage
    - *Litchi* 2531
    - persimmons 3863
  - temperature
    - grapefruits 1205
    - oranges 2524
  - thinning, apples 5460
  - training, grapes 4792
  - water relations, grapes 167
- browning
  - arsenic, avocados 3123
  - biochemistry
    - avocados 7015
    - bananas 1826
    - cherimoyas 7054
    - grapes 3347
    - peaches 4738
  - calcium, avocados 3123
- bruising
  - cultivars, avocados 2509
  - ripening, avocados 2509
- colour
  - assessment
    - black currants 2708
    - *Capsicum* 310
    - pawpaws 3885
    - peaches 4011
    - tomatoes 8918, 8920
  - biochemistry
    - apples 4699-4700
    - black currants 2708
    - tomatoes 2173, 7443
    - *Vaccinium* 3309
  - cultivars
    - apples 1277-1278
    - black currants 2708
    - grapes 4096
    - peaches 7310
    - watermelons 4174

**Fruits** *cont.*
colour *cont.*
growth regulators
apples 2641, 4697, 5454, 8513
cherries 785
grapes 1401
peaches 5492
light, peaches 6489
maturity
apples 6466
peaches 7310
nutrition
apples 63
aubergines 4944
cucumbers 5729
grapes 2072
mandarins 8182
physiology, cherries 1979
position, mandarins 9270-9271
pruning, apples 3957
ripening
cherries 6478-6479
*Citrus* 1204
*Litchi* 3154
pears 5513
watermelons 3407
rootstock scion relationships, apples 6466
salinity, tomatoes 4318
spacing, apples 3954, 7228
storage, *Litchi* 3154
temperature
apples 1959, 7276
tomatoes 2925
thinning, apples 73
water relations, cucumbers 4188
cracking
cultivars
cherries 1318, 1322
grapes 7378
growth regulators, *Litchi* 7036
histology, tomatoes 6750
humidity, *Capsicum* 4938
nutrition, *Litchi* 7036
physiology
cherries 3270
*Litchi* 3859
reviews, *Litchi* 8213
salinity, *Capsicum* 4938
soil water, apples 759
water relations, tomatoes 6750
degreening
growth regulators
bananas 1218
mandarins 3148
physiology, grapefruits 3841
development
age, coconuts 9339
assessment
*Chaenomeles japonica* 2016
kiwifruits 126
pears 8563
*Prunus nepalensis* 7333
*Solanum muricatum* 149
biochemistry
*Aegle marmelos* 4601
almonds 747
apples 3260, 3266, 8514
apricots 6472
avocados 2493, 2495, 5261
boysenberries 131
*Citrus otachibana* 9272
guavas 698
*Hippophae rhamnoides* 2740
mangoes 5321
melons 6664
olives 3860
oranges 4545
peaches 7308, 8555
pears 3286
persimmons 4561
*Phaseolus vulgaris* 269
pineapples 707, 2563
*Solanum muricatum* 149
strawberries 147
climate, grapes 5582
cultivars
apples 1299
hazelnuts 6482
melons 4196
tomatoes 8872

**Fruits** *cont.*
development *cont.*
cultural methods
bananas 7057
*Chaenomeles japonica* 2016
defoliation, grapes 2066
detergents, *Phaseolus vulgaris* 7645
diurnal variation, cocoa 9331
drought, *Simmondsia chinensis* 8144
growth regulators
almonds 746
apples 2642, 4698
aubergines 6715
boysenberries 1365
*Cyamopsis tetragonoloba* 2136
fruit crops, conferences 3211
grapes 3346, 8652-8653
nectarines 1383, 3281
okras 7706
peaches 6495
satsumas 3839
temperate fruits, reviews 3230
tomatoes 347-348
histology
almonds 746-747
*Hibiscus sabdariffa* 2574
tomatoes 971
irrigation
grapes 168
olives 9292
light
aubergines 6715
*Capsicum* 7727
peaches 6489
tomatoes 348
nutrition
*Cyamopsis tetragonoloba* 2136
guavas 5308
*Phaseolus vulgaris* 7645
*Ziziphus mauritiana* 8364
parthenocarpy
apples 1956, 6456
cherries 7288
cucumbers 2838, 2840
grapes 2785, 3346, 4813, 5612, 6570
oil palms 6314
pears 1349, 2692, 3284
strawberries 148
tomatoes 347, 6751, 6753, 8872
photoperiodism, *Capsicum* 7727
physiology
apples 5470, 7265, 8515
apricots 7279
aubergines 6715, 7734
avocados 2494
cherries 91
cucumbers 3403
feijoas 3857
grapes 173, 4814, 7411
kiwifruits 5529
*Lansium domesticum* 2576
*Litchi* 662
nectarines 5499
peaches 2001, 2677
pears 5513
*Phaseolus vulgaris* 2864
tomatoes 345, 2923-2924, 4972, 7788
pollination
blackberries 3303
nectarines 3281
pruning
grapes 159
*Vicia faba* 2133
ringing, cherries 91
seasonal variation
bananas 1825
guavas 5308, 8281
shade, olives 7045
soil types, grapes 5582
sugars, *Phaseolus vulgaris* 7645
temperature
apples 1959, 6431
plums 2012
tomatoes 4953
water relations
grapes 167, 858
kiwifruits 5529
melons 4195

**Fruits** *cont.*
development *cont.*
water relations *cont.*
*Simmondsia chinensis* 7006
tomatoes 4972
waterlogging, apples 756
drop
cultivars, pecans 7322
cultural methods, mangoes 6313
defoliation, apples 2638
flooding, *Vaccinium corymbosum* 133
fungicides, oranges 5280, 8188
growth regulators
apples 3257, 4684, 4696, 6456, 8513
apricots 86
avocados 2471
dates 1207
*Litchi* 5287
oranges 5280
humidity, *Macadamia* 663
insecticides, *Areca* 9306
irrigation, *Phaseolus vulgaris* 4912
light, peas 6697
nutrition
apricots 86
grapes 5595
oranges 9269
physiology
apples 4696
oranges 3143
*Vicia faba* 8790
pollination
almonds 3231
peaches 8533
pome fruits 3231
pruning
apples 3957
*Ziziphus mauritiana* 8363
shade, apples 7262
soil water, oranges 9269
spacing, *Phaseolus vulgaris* 4912
temperature
*Macadamia* 663
oranges 9269
water relations, *Macadamia* 663
flavour
assessment, mandarins 3847
biochemistry
atemoyas 4564
cashews 3873
*Citrus* 7033
*Cydonia sinensis* 4024
limes 4553
mangoes 3882
olives 3860
oranges 4552
passion fruits 3861
quinces 4023
tomatoes 4332
cultivars
apples 4670
blackberries 2025
pears 4742
environment, apples 1299
gamma radiation, oranges 3845
growth regulators, apples 4697
harvesting, mandarins 3847
maturity, mandarins 3848
packing
apples 85
persimmons 3160
position, mandarins 3847
rootstock scion relationships, *Citrus* 1791
salinity, tomatoes 4318
soilless culture, tomatoes 4331
storage, tomatoes 4329, 4332
loosening
growth regulators
cherries 785, 1320
olives 670, 1211, 1817, 2542
oranges 3147
measurement, olives 8221
maturity
assessment
apples 1960-1961, 3970, 3975, 4700, 4702, 7269, 8517
coffee 7076
grapes 2781-2783, 8660

**Fruits** *cont.*
maturity *cont.*
assessment *cont.*
mandarins 3848
mangoes 1840, 5322, 8294
*Myrica rubra* 9301
pawpaws 3885
peaches 4011, 7310, 8556
pears 8564
pineapples 2563
plums 2012, 8587, 8589
*Solanum muricatum* 3865
tamarillos 3865
watermelons 3407
mechanical properties
assessment
apples 3267, 3981-3982
*Capsicum* 1523, 2890
*Citrus* 3852
fruit crops 93, 4660, 7199
peaches 2683
*Pyrus pyrifolia* 5515
small fruits 5543
tomatoes 5920, 8912, 8917-8918
biochemistry, tomatoes 2170
cultivars
cherries 1324
grapes 2751
raspberries 5543
tomatoes 1542
cyanamide, plums 120
growth regulators
apples 80, 2642, 4682
cherries 785, 6476
pears 4744, 8565
plums 8584
handling, persimmons 3863
harvesting date
apples 780
pears 1350
mathematical models, apples 7275
nutrition
apples 5459, 6463, 7234
plums 8581
physiology, cucumbers 3403
ripening
avocados 2509
strawberries 7369
tomatoes 1542
rootstock scion relationships, *Citrus* 1791
storage
apples 80-81, 778, 780, 3973, 4707, 6460-6461
*Capsicum* 2890, 7730
kiwifruits 1361
pears 1350, 8564
tomatoes 4329
quality
age, apples 7266
assessment
apricots 1966
*Citrus* 9275
fruit crops 43
books 3908
grapefruits 3151
mandarins 3846-3847
watermelons 3407
climate
apples 1959
oil palms 9368
strawberries 4768
cultivars
apples 4670, 5427
apricots 5481
cashews 9313
grapes 7375, 7407-7408, 7437
oranges 5264
pecans 7317
tomatoes 2158, 7739
cultural methods
grapes 7438
tomatoes 8892
*Ziziphus mauritiana* 8362
defoliation
apples 5451
grapes 5591
environment
apples 5427
grapes 7412
loquats 7039

**Fruits** *cont.*
quality *cont.*
gamma radiation
oranges 3845
raspberries 2028
growth regulators
apples 3969
grapes 6556
peaches 2684
pears 4744
*Ziziphus mauritiana* 5355-5356
handling, bananas, reviews 684
harvesting, mandarins 3847
harvesting date
apricots 1966
avocados 2507
bananas 684
pecans 3287
tomatoes 7793
irrigation
grapes 4793, 6551
peaches 3278
maturity, peaches 3282
mulching, melons 4183
nutrition
apples 5459, 7234
aubergines 4944
dates 2527
grapes 1385, 4796, 5594, 7418, 7420
mandarins 8182
oranges 3141
strawberries 4061
*Ziziphus mauritiana* 5353
orientation, grapes 7394
packing
apples 1308
fruit crops 7196
photoperiodism, grapes 1399
physiology, cherries 1979
pollination
*Hippophae rhamnoides* 2747
pomegranates 9300
position, mandarins 3847, 9270-9271
protected cultivation
mandarins 9271
melons 5715
peaches 8541
pruning
aubergines 8863
grapes 4794, 5591, 7428
peaches 7301
tomatoes 7758
*Ziziphus mauritiana* 8363
ripening, *Annona* 8232
rootstock scion relationships, oranges 2514
salinity
strawberries 7366
tomatoes 4318
seasonal variation
avocados 4536
guavas 8282
shade, tomatoes 8879
soil types, grapes 2768
soil water, grapes 2765
soilless culture
*Capsicum* 2165
tomatoes 2165, 4331
spacing, mandarins 8175
storage
apples 7267-7268, 7270
grapes 7439
mandarins 8205
oranges 7031
temperature
apples 1959
*Citrus* 3130
oranges 3150
peaches 3282
thinning, grapes 4796
training
apples 2625
grapes 7394
wind, *Phaseolus coccineus* 5751
ripening
acetic acid, dates 1208
biochemistry
apples 4699-4700, 8514
avocados 2504

**Fruits** *cont.*
ripening *cont.*
biochemistry *cont.*
bananas 1826, 4568
blackberries 40, 821
boysenberries 131
*Capsicum* 5861
*Citrus* 1204
grapes 2075, 4095, 6572
guavas 5311, 9350
*Hippophae rhamnoides* 2741
horticultural crops, reviews 2171
*Litchi* 3154, 4555, 7035, 9280
mangoes 3882, 4588, 5321, 7085
melons 904, 2123, 3404
nectarines 803
oranges 657, 4546
pawpaws 703
peaches 4738, 7309, 8554
pears 3286, 5511
persimmons 40
tomatoes 346, 349, 1543, 2170-2171, 2926, 6754
watermelons 8762
cultivars
avocados 1789
black currants 7340
*Citrus* 1204
grapes 7374
*Litchi* 7037
oranges 657
strawberries 7369
tomatoes 346
disorders, tomatoes 336
environment, grapes 1378
gamma radiation, tomatoes 8916
growth regulators
*Annona* 8232
apples 1300, 3262, 5478, 8513
avocados 2171, 8166
bananas 1218, 2548, 8242
*Capsicum* 2889
cherries 1321, 2665
grapes 1401
*Litchi* 7035
mangoes 701, 2557
nectarines 1383
peaches 1336, 2001, 2679, 3279, 6495
plums 8586
raspberries 7348
strawberries 830, 2734, 8623
tomatoes 1545, 2171, 6751, 6753, 7792
watermelons 8762
irrigation, peaches 6488
latitude, grapes 6546
light
grapes 8654
tomatoes 350
nutrition
apricots 1970
strawberries 2734
physiology
*Annona* 8232
apples 3263, 5472-5473
avocados 2493, 2496, 3263, 5262
*Capsicum* 4940
feijoas 3857
guavas 9349
*Litchi* 7037
pears 111, 811, 5513
peas 8831
persimmons 675-676
tomatoes 2172, 2923, 3507, 7787, 7792, 8912
*Vicia faba* 8790
*Ziziphus spina-christi* 6360
position, peaches 2000
pruning
peaches 7301
tomatoes 1545
ringing, stone fruits 797
sodium chloride, dates 1208
storage
bananas 2549
mangoes 4588, 8295
pears 5514, 8565
temperature
apples 6431

**Fruits** *cont.*
ripening *cont.*
temperature *cont.*
bananas 1218, 8242
black currants 7340
grapes 6546, 7374
nectarines 803
strawberries 2738, 7369
tomatoes 3507, 7789
russeting
cultivars, apples 1277, 1282, 6426
fungicides, apples 2629
insecticides, apples 2629
physiology, tomatoes 7788
senescence, biochemistry, horticultural crops, reviews 2171
set
climate, *Simmondsia chinensis* 9228
cultivars
pears 2692
pecans 7322
cyanamide, plums 120
defoliation, tomatoes 342
environment, quinces 4756
flooding
*Vaccinium ashei* 4047
*Vaccinium corymbosum* 133
fungicides, apples 3256
gamma radiation, apples 6455
growth regulators
apples 1942, 2642, 3246, 3256-3258, 5453, 8470
apricots 86
Bignoniaceae 2281
cherries 2664, 4721
*Citrus limettioides* 1202
cucumbers 5723
grapes 171-172, 1400, 2068, 4811, 4813, 6570
*Macadamia* 1210
nectarines 3280
okras 4949
olives 2541
pears 3284, 8562
stone fruits 5498
strawberries 146, 148
tomatoes 320, 348, 970, 2160, 4949, 5917-5918
histology, mangoes 4587
humidity
apples 8512
atemoyas 4563
irrigation
black currants 5538
cocoa 9332
peaches 6488
light, tomatoes 325
mulches, tomatoes 325
nutrition
apples 7236
apricots 86
avocados 2492
cherries 2664
*Citrus limettioides* 1202
cocoa 9332
*Datura stramonium* 5184
grapes 6541
physiology
apples 7265
mandarins 8201
melons 4196
strawberries 2043
pollination
almonds 3231
apples 1298, 5471
atemoyas 4563
dates 9279
*Hippophae rhamnoides* 2745
*Lagenaria siceraria* 8761
marrows 6662
pears 2692, 3284
plums 114, 1354
pome fruits 3231
raspberries 8605
tomatoes 7786
*Vaccinium corymbosum* 7354
vegetables 2851
*Yucca* 6056
protected cultivation
*Citrus meyerii* 6258
lemons 6258

**Fruits** *cont.*
set *cont.*
pruning
*Capsicum* 296
grapes 6570
peaches 8544
pears 6498
*Ziziphus mauritiana* 8363
ringing, grapes 6570
rootstock scion relationships, grapes 6541
soil water, atemoyas 4563
spacing, mandarins 8175
temperature
apples 72, 8512
atemoyas 4563
avocados 2489, 2497
*Lagenaria siceraria* 903
peaches 802
shape
cultivars, *Capsicum* 289
environment, apples 6458
fungicides, apples 3256
growth regulators, apples 1300, 3256, 5453-5454, 6458
measurement, walnuts 2703
ripening, pears 5513
size
assessment, apples 1965
climate
oranges 8208
strawberries 6532
cultivars
apples 4670, 5427
blackberries 2025
*Capsicum* 289
*Hippophae rhamnoides* 832
oranges 5264
cultural methods
bananas 7057
grapes 7438
cyanamide, plums 120
defoliation, strawberries 5552
diseases, oranges 8208
environment, apples 1299, 5427
flooding, *Vaccinium corymbosum* 133
growth regulators
apples 1300, 3245-3246, 4697, 6456-6457, 8470
boysenberries 1365
cherries 785
dates 1207
grapes 2774, 5612, 6576
*Lycopersicon pimpinellifolium* 8913
olives 2541
peaches 1336, 3279, 5492
pears 105, 7314, 8562
satsumas 3839
tomatoes 965, 6753
interstocks, apples 7223
irrigation
black currants 5538
olives 9291
oranges 8208
peaches 7300
strawberries 6532
light, peaches 6489
measurement, *Capsicum* 8860
nutrition
apples 1948, 3958, 7234
avocados 6241
cashews 4572
grapes 2072, 6561
kiwifruits 5530
oranges 8208
peaches 8548
plums 8581
tomatoes 4964
*Ziziphus mauritiana* 5353
physiology
apples 7264
cherries 1979
oranges 8208
pollination
kiwifruits 2022
raspberries 8605
position, mandarins 9270
protected cultivation, *Solanum muricatum* 149

**Fruits** *cont.*
size *cont.*
pruning
apples 3957
aubergines 8863
grapes 2766
kiwifruits 2018
peaches 7301, 8544
tomatoes 4959
*Ziziphus mauritiana* 8363
ringing, stone fruits 797
ripening, *Citrus* 1204
rootstock scion relationships
apples 6428
oranges 8208
salinity, tomatoes 4318
shade, strawberries 6526
soil management, peaches 7300
soilless culture, tomatoes 3495
thinning
apples 5460
bananas 8241
tomatoes 5886
thinning
cultivars, apples 3245
economics, apples 3258
growth regulators
apples 2640-2641, 3245, 3258-3259, 4697-4698, 6456-6457
grapes 7435
peaches 1993, 1999, 2679, 6494
pears 2693, 7314
plums 6508
stone fruits 5498
responses
apples 73, 1958, 5460, 7258, 7263
bananas 7057, 8240-8241
grapes 1400, 7438, 8660
oranges 7024
plums 6508
tomatoes 5886, 7746
techniques
dates 2529
peaches 6494
pears 2693
***Fuchsia***
breeding, tissue culture 486
cultural methods, containers 1035
cuttings, sources, cultural methods 1579
pests, *Trialeurodes vaporariorum* 6855
protected cultivation, carbon dioxide 1579
reports, German Federal Republic 17, 3216
tissue culture, propagation, callus 4433
***Fuchsia boliviana,*** buds, histology 485
***Fuchsia fulgens,*** buds, histology 485
***Fuchsia magellanica***
buds
development, histology 1052
histology 485
***Fuchsia magellanica* × *Fuchsia regia,*** buds, histology 485
***Fuchsia regia,*** buds, histology 485
***Fucus virsoides,*** composition 6157
***Fulvia fulva,*** tomatoes 317, 956, 1537, 3501, 4305, 6397, 6739, 7742
***Fumaria,*** plant, composition 3760
***Fumaria capreolata,*** plant, composition 8069
***Fumaria indica,*** seeds, composition 6949-6950
***Fumaria officinalis***
as weeds, peas 8809
plant, composition 3760
***Fumaria parviflora,*** plant, composition 3760, 8069
**Fungi**
apples 6443
control
of Acari, greenhouse crops 7188
of Aphididae, ornamental plants 8948
of insects, greenhouse crops 7188
of Nematoda, plants 7184
edible species 2184
(*see also* Mushrooms)
*Agaricus bitorquis* 3521

**Fungi** *cont.*
*Agaricus campestris* 2181, 3518, 4994
*Agaricus macrosporoides* 4342
*Armillaria tabescens* 2185
*Auricularia* 2187, 2349
*Auricularia auricula* 2185, 2188-2189
*Auricularia polytricha* 364, 3522
*Boletus edulis* 4341
*Boletus regius* 4473
*Boletus tropicus* 2190
books 6371
*Calvatia gigantea* 2191
*Clavaria cardinalis* 2192
*Collybia velutipes* 2185
*Coprinus comatus* 3523
*Coriolus versicolor* 2185
*Dictyophora indusiata* 2193, 3524
*Flammulina velutipes* 1554, 8933-8934
*Ganoderma capense* 2185
*Ganoderma lucidum* 2185, 6197
*Gomphidius glutinosus* 4341
*Gomphidius gracilis* 4341
*Grifola frondosa* 1134-1135
*Hericium erinaceus* 2185, 3525
*Lactarius deliciosus* 1557
*Lactarius deterrimus* 1557
*Lactarius vellereus* 2194
*Lentinula edodes* 984-985, 1555, 2185, 2195-2196, 3521, 3526-3529, 4993, 4995, 5935, 8935
*Lyophyllum decastes* 4341
*Marasmius androsaceus* 2185
*Pleurotus* 2197, 3530, 4992
*Pleurotus citrinopileatus* 7820
*Pleurotus flabellatus* 5937
*Pleurotus florida* 363, 2185
*Pleurotus olearius* 4473
*Pleurotus ostreatus* 1558, 3521, 3531, 4343, 4993, 5935, 7821, 8936
*Pleurotus ostreatus* × *Pleurotus florida* 2184
*Pleurotus sajor-caju* 1559, 3521, 5937-5938, 6768-6769, 8937-8938
*Pleurotus sapidus* 2185
*Pluteus salicinus* 366
*Poria cocos* 8939
*Schizophyllum commune* 2185
*Suillus granulatus* 2190
*Suillus grevillei* 4341
*Suillus luteus* 4341
*Suillus placidus* 4341
surveys, USSR 1556
*Terfezia claveryi* 5939
*Tirmania nivea* 5939
*Tirmania pinoyi* 5939
*Tremella fuciformis* 1555, 2185
*Trichoderma* 2185
*Tuber aestivum* 7822
*Tuber magnatum* 7822
*Tuber melanosporum* 4344, 7822
*Volvariella esculenta* 2198
*Volvariella volvacea* 1555, 2185, 2199, 2938, 3532-3533, 5940
yields, forecasting 2186
medicinal properties, surveys 1094
peas 3432
populations, rhizosphere, onions 4112
**Fungicidal properties** (*see* antifungal properties)
**Fungicides**
anilides, disease resistance, grapes 1387
aureofungin, responses, oranges 5280
benalaxyl, residues, tomatoes 5915
benomyl
application, foliage plants 2971
disease resistance
*Camellia* 9034
cucumbers 5734
grapes 5601
stone fruits 5523
injuries
onions 1416
*Vaccinium corymbosum* 1368
residues
apples 4711
pineapples 7094

**Fungicides** *cont.*
benomyl *cont.*
responses
*Gladiolus* 5034
*Macadamia* 2533
onions 4117, 7480
*Pleurotus sajor-caju* 365
tolerance
*Camellia* 1633
*Pleurotus sajor-caju* 1559
roses 475
*Volvariella volvacea* 5940
translocation, pineapples 7094
benzimidazoles
disease resistance
*Cyclamen* 6024-6025
grapes 5597
strawberries 5911
tomatoes 5911
bitertanol
application, apples 5469, 7239
responses, apples 3256, 5469
translocation
beetroots 6759
celery 6759
bupirimate, residues, *Capsicum* 5859
captafol
injuries, *Vaccinium corymbosum* 1368
responses, *Brassica nigra* 1057
tolerance, *Capsicum* 1521
captan
injuries
apples 5466
onions 1416
*Vaccinium corymbosum* 1368
residues
cherries 3268
peaches 3268
tolerance, *Volvariella volvacea* 5940
carbendazim
disease resistance, Brussels sprouts 5690
residues, apples 4711
responses
*Brassica nigra* 1057
onions 7480
oranges 5280
plums 8588
tomatoes 344
tolerance, roses 475
carboxin
injuries, *Volvariella volvacea* 5940
responses, *Brassica nigra* 1057
chloroneb, injuries, *Volvariella volvacea* 5940
chlorothalonil, residues, *Phaseolus vulgaris* 3415
chlozolinate, residues, tomatoes 5915
copper compounds
residues, grapes 164
responses, onions 4117
copper oxychloride, application, oranges 8200
dicarboximides
disease resistance
grapes 1390, 5600-5603
strawberries 5911
tomatoes 5911
residues, boysenberries 5544
diclobutrazol
translocation
beetroots 6759
celery 6759
dicloran, responses, onions 7480
dithianon, application, apples 6450
dodemorph, injuries, *Ranunculus asiaticus* 8987
etaconazole
application, apples 5469
responses, apples 5469
etridiazole
injuries
roses 475
tomatoes 8890
fenarimol
absorption, apples 6451
application, apples 5469
injuries, lawns and turf 2243
residues
*Capsicum* 5859

**Fungicides** *cont.*
fenarimol *cont.*
residues *cont.*
tomatoes 5915
responses, apples 2629, 3256, 5469
tolerance, lawns and turf 2243
ferbam, injuries, *Vaccinium corymbosum* 1368
flusilazole, absorption, apples 6451
folpet, tolerance, *Capsicum* 1521
fosetyl
injuries
*Rhododendron* 6092
tomatoes 8890
physiology, grapes 1392
tolerance, roses 475
furalaxyl
injuries, roses 475
residues, tomatoes 5915
hexachlorobenzene
absorption
horticultural crops 4658
sour oranges 4654
hymexazol, responses, carnations 5975
imazalil
application, temperate fruits 4690
residues
*Capsicum* 8425
tomatoes 8425
translocation, temperate fruits 4690
iprodione
application, peaches 6497
injuries, grapes 2774
residues
boysenberries 5544
kiwifruits 1361
tomatoes 5915
isoprothiolane, responses, carnations 5975
mancozeb
application, apples 7238
residues
*Phaseolus vulgaris* 3415
tomatoes 4323
responses, *Brassica nigra* 1057
tolerance, *Volvariella volvacea* 5940
maneb
residues, *Phaseolus vulgaris* 3415
responses, onions 4117
metalaxyl
application, *Rhododendron* 6090
disease resistance
cucumbers 6654
strawberries 5566
persistence, *Rhododendron* 6091
residues
cucumbers 6657
tomatoes 5915
responses, carnations 5975
tolerance, *Capsicum* 1521
metham, application, vegetables 8921
methoxyethylmercury chloride, injuries, apples 6442
myclozolin, residues, boysenberries 5544
oxadixyl, disease resistance, strawberries 5566
oxycarboxin, disease resistance, carnations 4350
pentachlorophenol
absorption
horticultural crops 4658
sour oranges 4654
procymidone
injuries, *Narcissus* 2955
residues
boysenberries 5544
tomatoes 5915
responses, onions 7480
propamocarb
injuries
*Matthiola incana* 5022
tomatoes 8890
propiconazole
application, cocoa 5301
responses, *Lilium longiflorum* 410
translocation
beetroots 6759
celery 6759
propineb, responses, *Macadamia* 2533
prothiocarb, tolerance, roses 475

**Fungicides** *cont.*
pyrazophos, residues, tomatoes 5915
quinomethionate, residues, tomatoes 5915
quintozene, injuries, *Volvariella volvacea* 5940
thiabendazole, residues, apples 4711
thiophanate
injuries, roses 475
responses, onions 7480
thiophanate-methyl, residues, apples 4711
thiourea
injuries, peaches 1293
responses
pecans 1352
*Pyrus pyrifolia* 1347
stone fruits 748
triadimefon
application
apples 5469
coffee 6303
residues, tomatoes 5915
responses
apples 5469, 6453
*Lilium longiflorum* 410
okras 8841
*Phaseolus vulgaris* 8781
triadimenol, residues, *Capsicum* 5859
tridemorph, responses, tomatoes 344
triforine, injuries, *Vaccinium corymbosum* 1368
vinclozolin
disease resistance, cucumbers 5734
injuries, grapes 2774
residues
boysenberries 5544
tomatoes 5915
responses, *Macadamia* 2533
zineb
application, apples 7238
responses
apples 2629
*Gladiolus* 5034
*Macadamia* 2533
onions 4117
***Funtumia africana,*** plant, composition 1736
***Fusarium***
*Asparagus setaceus* 7897
beetroots 5647
*Brassica nigra* 1057
*Callistephus chinensis* 6007
*Capsicum* 5856
carnations 5952, 5957, 5962, 5970, 5972
carrots 8921
control, of *Alternaria raphani,* radishes 5700
*Cyclamen persicum* 5030
garlic 5630
lawns and turf 2963, 7883
*Lilium* 8979
melons 5733
peas 5779
*Phaseolus vulgaris* 1489
raspberries 2711
roses 475
*Ruscus* 7897
spinach 5648
strawberries 7358
tomatoes 956, 3487, 5876, 7742, 8921
***Fusarium equiseti***
*Benincasa hispida* 1462
*Capsicum* 6712
***Fusarium oxysporum***
apples 6443
*Asparagus* 5838
aubergines 2893, 5863
*Benincasa hispida* 1462
*Capsicum* 6712, 7731
carnations 5963
control
of *Fusarium oxysporum* f.sp. *cucumerinum*
apples 7603
cucumbers 3399
onions 188
ornamental bulbs 4366
ornamental plants 5948
peas 5804
***Fusarium oxysporum*** *cont.*
populations, rhizosphere, sugarcane 4594
*Rhipsalidopsis gaertneri* 6830
*Schlumbergera truncata* 6830
*Tagetes erecta* 1592
tomatoes 317
watermelons 5707, 5736
***Fusarium oxysporum* f.sp. *asparagi,*** *Asparagus* 283, 5839
***Fusarium oxysporum* f.sp. *cepae,*** onions 189, 1415, 8683
***Fusarium oxysporum* f.sp. *conglutinans,*** cabbages 7550, 8723
***Fusarium oxysporum* f.sp. *cucumerinum,*** cucumbers 3399, 7603
***Fusarium oxysporum* f.sp. *cumini,*** *Cuminum cyminum* 9052
***Fusarium oxysporum* f.sp. *dianthi*** 5969
carnations 3540, 5953, 5968, 5977-5978
***Fusarium oxysporum* f.sp. *lilii,*** *Lilium* 2220
***Fusarium oxysporum* f.sp. *lycopersici,*** tomatoes 4297, 6740
***Fusarium oxysporum* f.sp. *melonis,*** melons 1471
***Fusarium oxysporum* f.sp. *pisi,*** peas 1504, 2137
***Fusarium oxysporum* f.sp. *radicis-lycopersici,*** tomatoes 1538, 3502
***Fusarium oxysporum* var. *redolens,*** *Asparagus* 283
*Asparagus* 1892
*Capsicum* 4291
***Fusarium pallidoroseum,*** *Benincasa hispida* 1462
***Fusarium sacchari,*** *Nerine bowdenii* 2220
***Fusarium solani***
*Asparagus* 283, 5838
avocados 2476
*Benincasa hispida* 1472
peas 5804
*Vicia faba* 3424
***Fusarium solani* f.sp. *phaseoli,*** *Phaseolus vulgaris* 3411, 5757, 7618
***Fusarium tricinctum,*** control, of *Cuscuta gronovii, Vaccinium* 8610
***Fusicladium carpophilum,*** peaches 799
***Fusicoccum,*** peaches 1988
***Fusicoccum amygdali,*** peaches 7304
***Gaertnera griffithii,*** plant, composition 5156
***Gaillardia grandiflora***
flowers
development
growth regulators 7851
photoperiodism 7851
**Galactomannans,** metabolism, germination, oil palms 5324
***Galanthus elwesii,*** tissue culture, explants, sources 3575
***Galinsoga***
as weeds
*Sorbus aucuparia* 4441
vegetables 176
***Galinsoga parviflora***
as weeds
*Gerbera* 383
hops 4463
***Galium,*** plant, composition 2304
***Galium articulatum,*** plant, composition 8070
***Galium fagetorum,*** plant, composition 3761
***Ganoderma capense,*** composition 2185
***Ganoderma lucidum,*** composition 580, 2185, 5194, 6197, 8071, 9155
***Garcinia*** (*see also* Mangosteens)
***Garcinia huillensis,*** plant, composition 3083
***Garcinia kola***
nuts, composition 8072
plant, composition 581
seeds, composition 3762
***Gardenia jasminoides***
cuttings, treatment 2285
fruits, composition 1672, 6107, 9156
pests, *Dialeurodes citri* 6856
plant, composition 1737
***Gardenia jasminoides*** *cont.*
tissue culture, biochemistry 5150
***Gardenia jovis-tonantis,*** roots, composition 4494
**Garlic**
bulbs
abnormalities 7467
composition 2793, 3355, 8678
development, histology 862
quality
mulching 6584
nutrition 6584
cultivars
assessment, Bangladesh 7462
characteristics
Romania 7713
USSR 5630
diseases 5630, 7713
morphology 7467
pests 2090, 4832
propagation 5632
storage 5630
yields 2087
diseases, *Sclerotium cepivorum* 4106, 7463-7464
frost, resistance, cultivars 7713
intercropping
*Papaver somniferum* 1156
*Sorghum* 3355
mulching, responses 6584
nutrition 6584
nitrogen 4826
phosphorus 4826
potassium 4826
pests
Nematoda 7465
*Suillia lurida* 5633
photoperiodism 5631
plant
anatomy 185
composition 186, 863, 2792, 3356, 4107, 4465, 5634, 9086
physiology 8434
planting
seasons 8676
spacing 8675
planting stock
size 8675
treatment 4106, 5631
pollution, cadmium 8677
reports
India 18
New Zealand 734, 1892
rotations 8664
senescence 7466
storage
diseases 1409
systems, controlled atmosphere storage 3357
treatment 1409
tissue culture
biochemistry 6868
propagation
anthers 5632
callus 2088
micropropagation 1408
yields, correlation 2087
**Gases**
diffusion, measurement, apples 1304
measurement, horticultural crops 765
***Gasteria croucheri***
tissue culture, propagation, callus 1738
wild plants, utilization, ornamental plants 1738
***Gasteria verrucosa,*** flowers, development, cytology 5042
***Gazania,*** herbicides, injuries 988
***Gelsemium elegans,*** roots, composition 3763
***Gelsemium sempervirens,*** roots, composition 582
***Genipa americana,*** fruits, composition 1672
***Genista aetnensis,*** seeds, composition 3084
***Genista patula,*** plant, composition 1702
***Genista tinctoria,*** plant, composition 2605
***Gentiana***
cultural methods, mechanization 4475, 6860
reports, New Zealand 1892

***Gentiana asclepiadea,*** roots, composition 8073
***Gentiana lutea***
cultural methods
France 6953
mechanization 4476
plant
composition 6378
development, provenance 6952
research 6898
***Gentiana paradoxa,*** cultural methods, USSR 4359
***Gentiana pedicellata,*** leaves, composition 583
***Gentiana punctata,*** plant, composition 3707
***Gentianella bulgarica,*** plant, composition 3707
***Geotaenium*** (*see Asarum*)
***Geotrichum candidum,*** plums 1355
**Geotropism**
cress 886, 3389
peas 933, 3459
*Pharbitis nil* 996
plants, reviews 4655
**Geraniums** (*see Pelargonium*)
***Gerbera***
breeding, Hungary 3548
cultivars, characteristics, Hungary 3548
cultural methods, pot plants 8955
cut flowers
preservatives 995
production
cultural methods 384, 5010-5011, 7842
protected cultivation 5009, 5993
vase life 995
cuttings, production, techniques 2270
diseases, *Pseudomonas cichorii* 5994
growing media, composition 8955
growth regulators, cytokinins, responses 2270
herbicides, tolerance 383
mutants, induction, tissue culture 994
nutrition
nitrogen 5012, 7841-7842
phosphorus 5012, 7842
potassium 5012, 7842
pests
Aleyrodidae 3629
biological control, Italy 179
*Cacoecimorpha pronubana* 8957
*Liriomyza trifolii* 8958
*Tetranychus urticae* 8956
*Trialeurodes vaporariorum* 5013, 6773
planting stock
production, tissue culture 3549
storage 3549, 5008
protected cultivation
growing media 5993
heating systems 5009
nutrition 5012
pests 179, 6779, 8956-8958
reports, German Federal Republic 15
soilless culture, growing media 8943
tissue culture
organogenesis 4347
propagation
meristems 1254
micropropagation 5992
responses, gamma radiation 994
transpiration, light 385
weed control 383
**German Democratic Republic**
apples, cultivars 5433
*Asparagus,* cultivars 2879
rhubarb, cultivars 4279
stone fruits, pests, control 8583
strawberries, cultivars 5552, 5554
temperate fruits
diseases, control 8423
pests, control 8423
tomatoes, cultivars 8894
**German Federal Republic**
*Asparagus,* cultivars 3464
cut flowers, marketing 7833
cut foliage, marketing 7833
*Cyclamen,* cultivars 6803
*Echinacea purpurea,* cultivars 6791
*Hedera helix,* cultivars 468
**German Federal Republic** *cont.*
horticultural crops, marketing 7138
lawns and turf, species 418
*Monarda,* cultivars 6796
pot plants, marketing 7833
*Primula vulgaris,* cultivars 6000
raspberries, cultivars 129
roses, cultivars 6850
*Rudbeckia,* cultivars 6797
*Solidago,* cultivars 7854
wild plants, conservation 986
***Geum coccineum,*** wild plants, utilization, ornamental plants 6003
***Gevuina avellana,*** nuts, composition 820
**Gherkins** (*see* Cucumbers)
***Gibberella fujikuroi***
as weeds, *Pleurotus sajor-caju* 1559
*Asparagus* 283, 5838
*Benincasa hispida* 1472
*Callistephus chinensis* 6007
mangoes 8293
*Piper betle* 1763
***Gibberella fujikuroi* var. *subglutinans,*** pineapples 6321, 6325, 7094
***Gibberella pulicaris,*** avocados 2476
***Gibberella stilboides,*** coffee 8266
***Gigaspora,*** mycorrhizas, coconuts 4578
***Gigaspora calospora,*** mycorrhizas, *Capsicum* 5855
***Gigaspora gilmorei,*** mycorrhizas, *Citrus* 649
***Gigaspora heterogama***
mycorrhizas
coffee 4580
*Phaseolus vulgaris* 7629
***Gigaspora margarita***
mycorrhizas
*Capsicum* 5855
*Citrus* 649
cocoa 9322
coffee 4580, 7071-7072
*Phaseolus vulgaris* 7629
**Ginger** (*see Zingiber officinale*)
***Ginkgo biloba***
landscaping, roadsides 457
leaves, composition 487
photosynthesis, biochemistry 3538
plant, composition 3764, 6198, 7999
plant residues, utilization, culture media 2262
salinity, tolerance 9029
seeds, composition 2385
***Gladiolus***
breeding
diseases 2220
genetic variance 5031, 8972
corms
production, cultural methods 1597-1599, 3567-3568, 5033-5034, 6806-6807
sprouting, growth regulators 6808
treatment 6808
cultivars
characteristics, India 2950
genetics 5031
propagation 1597-1598, 7861
cultural methods, pot plants 5032
cut flowers
production
cultural methods 5033-5034, 6807, 7862, 8973
Turkey 5959
diseases
fungi 4366
*Pseudomonas gladioli* pv. *gladioli* 6772
*Uromyces transversalis* 6026
flowers
biology 2225
development, growth regulators 6808
fungicides, responses 5034
herbicides, injuries 1600
inflorescences, development, breeding 8972
mutants, induction, gamma radiation 7860
pests, *Thrips simplex* 2951
planting
seasons 1597
spacing 1598-1599, 2226
***Gladiolus*** *cont.*
planting stock, size 7861-7862
tissue culture, propagation, techniques 3568
weed control 1600, 8973
***Gladiolus floribundus,*** flowers, histology 8967
***Gladiolus natalensis***
cultivars, propagation 7861
planting stock, size 7861
***Glaucium flavum***
cultural methods, Romania 3030
plant
composition 531, 5195
histology 6954
***Glechoma hederacea,*** as weeds, lawns and turf 7886
***Gleditsia triacanthos***
landscaping, roadsides 457
shade, measurement 461
wounds, healing 1036
***Glehnia littoralis,*** tissue culture, propagation, meristems 3085
***Gliocladium,*** control, of *Fusarium oxysporum* f.sp. *asparagi, Asparagus* 5839
***Gliricidia sepium,*** leaves, composition 584
**Globe artichokes**
cultivars, characteristics, Israel 4130
cultural methods
Mauritius 8671
Romania 3030
flowers, initiation 208
forcing 4131
growth regulators, GA, responses 7510
irrigation, responses 7510
nutrition
nitrogen 4826
phosphorus 4826
potassium 4826
pests
*Aphis fabae* 8671
Lepidoptera 8671
plant, composition 209, 871
seeds, germination, cultivars 208
***Globodera rostochiensis,*** tomatoes 8866
***Glochidion eriocarpum,*** plant, composition 6160
***Gloeodes pomigena,*** apples 8485
***Gloeophyllum odoratum,*** composition 5124
***Gloeosporium***
apples 3246, 5466, 6464, 7244
*Cyclamen persicum* 5030
***Gloeosporium piperatum, Capsicum*** 8859
***Gloeosporium theae-sinensis,*** tea 8345
***Glomerella cingulata***
apples 3976
*Areca catechu* 1823
aubergines 5862
avocados 2475-2476
*Camellia* 1633, 9034
coffee 1831-1834
*Laurus nobilis* 1655
lemons 1807
mandarins 3148
mangoes 5316
olives 4557
oranges 8190
*Piper betle* 1762
tamarillos 8227-8228
***Glomerella tucumanensis,*** sugarcane 1865
***Glomus***
mycorrhizas
*Chrysanthemum coronarium* 5563
coconuts 4578
grapes 5593
*Lavandula spica* 1066
peas 4243
*Solanum quitoense* 6279
strawberries 5563
***Glomus aggregatum***
mycorrhizas
*Capsicum* 7720
leeks 7720
***Glomus caledonium***
mycorrhizas
*Acorus calamus* 6170
grapes 5593
peas 5798

***Glomus epigaeum,*** mycorrhizas, peas 5798
***Glomus etunicatum***
mycorrhizas
*Asparagus* 2880
container grown plants 2280
***Glomus fasciculatum***
mycorrhizas
*Asparagus* 2880
bananas 6288
*Capsicum* 5855
coffee 4580
container grown plants 2280
grapes 5593
*Lavandula spica* 1066
*Rosa multiflora* 2277, 4423
tomatoes 4315
***Glomus intraradices***
mycorrhizas
*Citrus* 4539
*Parthenium argentatum* 5246
***Glomus leptotichum***
mycorrhizas
*Citrus* 649
*Phaseolus vulgaris* 7629
***Glomus macrocarpum***
mycorrhizas
*Capsicum* 5856
coffee 4580
*Phaseolus vulgaris* 7628-7629
***Glomus monosporum,*** mycorrhizas, grapes 5593
***Glomus mosseae***
mycorrhizas
*Asparagus* 2880
*Chrysanthemum coronarium* 5563
coffee 4580
*Lavandula spica* 1066
limes 8189
onions 865, 5640
peas 5798-5799
*Pittosporum tobira* 1658
*Rosa multiflora* 2277, 4423
strawberries 5563
***Glomus occultum,*** mycorrhizas, grapes 5593
***Glomus versiforme,*** mycorrhizas, leeks 7469
***Gloriosa***
cultural methods, pot plants 6821
cut flowers, production, cultural methods 6821
protected cultivation, cultural methods 6821
***Gloriosa carsonii,*** plant, composition 2328, 2386
***Gloriosa rothschildiana***
cultural methods, pot plants 6821
cut flowers, production, cultural methods 6821
plant, composition 2386
***Gloriosa superba***
cultural methods, pot plants 6821
cut flowers, production, cultural methods 6821
flowers, cytology 6034
plant, composition 5043
tubers, composition 9157
**Gloxinias** (*see Sinningia*)
**Glucosinolates**
biosynthesis, cress 4170
composition
*Brassica* 224, 4169
*Brassica carinata* 5693
*Brassica juncea* 1056
*Brassica nigra* 1056
*Sinapis alba* 1056
taxonomy, *Brassica* 4146
**Glycerides**
characterization, *Moringa oleifera* 9411
composition
cashews 4573
*Nelumbo nucifera* 8932
*Origanum dictamnus* 3783
metabolism, biochemistry, okras 6699
**Glycosides**
biosynthesis, grapes 36
characterization
*Actinostemma lobatum* 3045
*Aesculus indica* 1081, 8018
*Agrimonia pilosa* 2340
**Glycosides** *cont.*
characterization *cont.*
*Ailanthus altissima* 2284
*Alisma plantago-aquatica* 6909
apples 3978
*Arctostaphylos uva-ursi* 547
*Astragalus orbiculatus* 3725
*Astragalus quisqualis* 1109
*Astragalus tragacantha* 3726, 6917
*Berchemia racemosa* 554
*Boschniakia rossica* 2351
*Brucea antidysenterica* 8031
*Calceolaria hypericina* 4479
*Calendula arvensis* 8034
*Caltha palustris* 8036
*Camellia* 462
*Capsicum* 3735
*Cerbera* 2362
*Cistanche tubulosa* 2365
*Coutarea hexandra* 6935
*Datura metel* 2377
*Epimedium* 2384
*Epimedium koreanum* 5190
*Filipendula ulmaria* 3082
*Flacourtia indica* 1215
*Ginkgo biloba* 487
*Halenia elliptica* 1136
*Hemsleya panacis-scandens* 9160
hyacinths 462
*Hydrangea macrophylla* 1634
*Ilex aquifolium* 6844
*Jasminum sambac* 5121
*Jateorhiza palmata* 588
*Lawsonia inermis* 9170
*Ligustrum japonicum* 1744
*Lilium longiflorum* 411
*Lilium regale* 3571
*Lindera praecox* 4501
*Marsdenia cundurango* 6963
*Murraya exotica* 3777
*Muscari comosum* 1150
*Nepeta cataria* 1068, 3780
*Nepeta tuberosa* 3682
*Nerium oleander* 1744
olives 7047
onions 3364
oranges 5282
*Origanum vulgare* 3685
*Penstemon confertus* 603
*Pfaffia iresinoides* 6895
*Phaseolus vulgaris* 5747
*Randia dumetorum* 3026
*Scrophularia scopolii* 6985, 8105
*Selaginella doederleinii* 1770
*Solanum laciniatum* 3808
*Strychnos variabilis* 1771, 6991
*Teucrium chamaedrys* 6995
*Thalictrum squarrosum* 1177
*Trachomitum venetum* 2325
*Uncaria tomentosa* 9218
*Urtica dioica* 1777, 8117
*Vinca major* 5242
*Vitex rotundifolia* 4529
*Yucca aloifolia* 1184
composition
*Abies spectabilis* 9108
*Abrus precatorius* 2339
*Allemanda neriifolia* 3639
almonds 8452
*Aloe* 1098
*Alstroemeria* 6818
*Amelanchier alnifolia* 3297, 6509
*Andrographis paniculata* 3721
*Andromeda polifolia* 1643
apples 8520
*Arctostaphylos uva-ursi* 6912
*Arnica* 1712
*Artemisia* 1105
*Artemisia afra* 5111
*Artemisia alba* 1064
*Asphodeline anatolica* 6915
*Astragalus schachirudensis* 6916
aubergines 315, 6159
*Bauhinia manca* 6919
*Begonia erythrophylla* 1015, 3565
*Berberis pseudambalata* 553
*Bidens pilosa* 3729
*Calliandra portoricensis* 4480
*Calluna vulgaris* 1692
*Camellia chrysantha* 9035
*Capsicum* 6159
**Glycosides** *cont.*
composition *cont.*
*Cardiocrinum cordatum* 6926
*Cassia podocarpa* 6155
*Cassia senna* 7994
cauliflowers 1434
celery 4983
*Cerbera* 5176
*Cerbera manghas* 5177
*Codonopsis lanceolata* 6932
*Colchicum autumnale* 6184
*Cratoxylum pruniflorum* 1729
*Cucurbita foetidissima* 5148
*Digitalis purpurea* 1732, 6159
*Dodartia orientalis* 8054
*Echinops echinatus* 6943
*Elaeagnus angustifolia* 9151
*Ephedra fragilis* 576
*Erysimum allionii* 1685
*Erysimum pulchellum* 3753
essential oil plants 2305
*Fagopyrum cymosum* 6196
*Fagopyrum tataricum* 5193
*Fortunella japonica* 9276
globe artichokes 209
grapes 4094, 4096, 8659
guavas 697
*Gymnema sylvestre* 9108
*Hedera nepalensis* 6958
*Hedera taurica* 9158
*Hypericum aucherii* 9164
*Hypoxis nyasica* 587
*Ipomoea orizabensis* 1143
*Lagerstroemia lancasteri* 1653
*Lawsonia inermis* 3089
lemons 9276
lettuces 2820
*Lomatium dissectum* 9171
*Lycium barbarum* 3093
medicinal plants 9102
*Mercurialis annua* 1747
*Momordica cochinchinensis* 2401
*Mutisia acuminata* 3778
*Ocimum basilicum* 1069
onions 6159
*Onopordum macracanthum* 2410
*Ophiopogon intermedius* 5208
*Origanum dictamnus* 3783
*Origanum majorana* 1071
*Osbeckia chinensis* 3785
*Paeonia lactiflora* 402
*Panax pseudoginseng* 2411, 3034
pawpaws 7090
pears 1692, 5511
*Penstemon hirsutus* 6969
*Periploca nigrescens* 1758
*Periploca sepium* 5214
persimmons 1212
plants 36
*Polygonum amplexicaule* 3792
*Polygonum multiflorum* 607
*Pueraria lobata* 5216
*Pyrrosia lingua* 612
*Quillaja saponaria* 5218
*Rhamnus triquerta* 6224
*Ribes aureum* 1168
*Rubus* 2426
*Salvia* 403, 617
*Salvia potentillifolia* 3801
*Sanguisorba minor* 618
satsumas 9276
*Satureja obovata* 3108
*Schumanniophyton magnificum* 2432
*Scilla* 1692
spinach 1434
*Swertia speciosa* 6992
*Tephrosia candida* 9095
*Terminalia macroptera* 6994
*Teucrium* 6231
*Teucrium polium* 1175
*Thalictrum* 3818
tomatoes 4324, 6159
*Trachelospermum jasminoides* 5237
*Trigonella monspeliaca* 6896
*Urginea maritima* 3701
*Vaccinium uliginosum* 3310
*Verbena brasiliensis* 634
*Viscum album* 2451
*Wendlandia bicuspidata* 8119

**Glycosides** *cont.*
determination
*Calotropis gigantea* 3734
*Digitalis purpurea* 574
*Ligustrum vulgare* 4500
oranges 2522
plants 5382
*Solanum aculeatissimum* 9206
metabolism
biochemistry, *Davallia trichomanoides* 4395
growth regulators, *Indigofera articulata* 6136
physiology, olives 3860
ripening, blackberries 821
seasonal variation
*Aesculus hippocastanum* 539
grapes 3345
tissue culture
*Centaurium erythraea* 4483
*Colchicum autumnale* 6184
*Rheum palmatum* × *Rheum coreanum* 3798
production
cultural methods
*Digitalis lanata* 1126
*Fagopyrum esculentum* 3078
tissue culture
*Digitalis lanata* 573, 8052
*Dioscorea deltoidea* 9148
grapes 9076
*Mentha piperita* 9076
pears 9076
*Rosmarinus officinalis* 9076
taxonomy
*Aloe nyeriensis* 433
*Citrus* 4551
*Sideritis* 2436
*Vaccinium* 2715
***Glycyrrhiza,*** plant, composition 5153, 6164
***Glycyrrhiza echinata,*** tissue culture, biochemistry 3086
***Glycyrrhiza glabra***
cultural methods, mechanization 4476
nutrition 2331
plant, composition 1063, 6378
***Glycyrrhiza inflata***
plant, composition 1063
roots, composition 6955
***Glycyrrhiza uralensis,*** plant, composition 1063
***Gmelina asiatica,*** roots, composition 3033
***Gnaphalium,*** chromosomes 7825
***Gnomonia erythrostoma,*** apricots 1309, 4716
***Gnomonia leptostyla,*** walnuts 7332
***Gomphidius glutinosus,*** composition 4341
***Gomphidius gracilis,*** composition 4341
***Gomphrena globosa,*** translocation, physiology 1009
***Gongora quinquenervis,*** nectaries 6841
**Gooseberries**
cultivars
assessment, USSR 2709
diseases 2709
tissue culture 7342
growth regulators, chlormequat, injuries 7335
harvesting, techniques, mechanical harvesting 2024
pests, insects 7334
planting, spacing 2709
pollution, radioactive fallout 6510
reports, German Federal Republic 732
surveys, Chile 3298
tissue culture, propagation, meristems 2710, 7342
weed control 4773
**Gophers,** apples 1954
***Gossampinus malabarica*** (*see Bombax malabaricum*)
**Grading**
equipment
apples 2645
*Citrus* 656
horticultural crops 43
peaches 2683
techniques
container grown plants 5079
fruit crops 4660
horticultural crops, reviews 42
**Grading** *cont.*
techniques *cont.*
peaches 4011
tomatoes 8920
work studies, peaches 104
**Grafting** (*see also* Budding; Topworking)
cultural methods
chestnuts 1980
grapes 7395
pears 2003
rootstocks
assessment
grapes 4807, 7386
roses 6095
storage, grapes 3328
treatment
grapes 2758, 3328
roses 3634
scions
assessment
*Camellia japonica* 6077
grapes 4807
plums 8573
storage
grapes 3328
mangoes 3178
treatment
*Camellia* 1633
cashews 8243
grapes 3328, 6540
mangoes 3178
seasons
apples 3951, 5441
*Hibiscus syriacus* 6095
roses 6095
techniques
assessment
grapes 1377, 2760
*Hibiscus syriacus* 6095
*Juniperus* 4416
*Michelia champaca* 7948
*Paeonia suffruticosa* 6113
*Pyrus pyrifolia* 804, 1347
roses 6095
*Solanum laciniatum* 3113
tomatoes, reviews 7776
bench grafts
grapes 152, 2759-2760, 3325, 3328, 4807, 5577, 6540
mulberries 3294
plums 8574
roses 3634
walnuts 3294
inarching, *Citrus* 2514
micropropagation
*Prunus* 2700
Solanaceae 1253
seedlings
avocados 2464
*Camellia japonica* 6077
cashews 8243
*Hibiscus syriacus* 6095
roses 6095
unions
anatomy
grapes 4067
Solanaceae 1253
biochemistry, peaches 8538
development, grapes 6540
histology, *Prunus* 2700
treatment, grapes 152, 3325
**Gramineae**
as weeds, olives 3156
landscaping, Czechoslovakia 2200
**Granadilla mosaic virus,** passion fruits 1818
***Grangea maderaspatana,*** plant, composition 6956
**Grapefruits**
cultivars
assessment, USSR 2512
lists 9248
cultural methods, Italy 2587
diseases, *Xanthomonas campestris* pv. *citri* 8187
disorders
blight 5267
chilling injury 1205
gummosis 5267
frost
injuries 3852
assessment 3130
**Grapefruits** *cont.*
fruits
biochemistry, temperature 1205
composition 3849-3850, 4551, 5283, 5414
degreening, physiology 3841
mechanical properties, assessment 3852
quality
assessment 3151, 9275
temperature 3130
growth regulators, ABA, determination 6256
handling, techniques 3841
leaves, composition 648, 8168
nutrition
green manures 5271
nitrogen 9255
nutritional value 5414
packing, materials 3841
pests, *Anastrepha suspensa* 7026
production
Argentina 7204
Chile 7204
products, essential oils 5283
protected cultivation, cultivars 2512
respiration, biochemistry 4549
rootstock scion relationships
disorders 5267
growth 5267
yields 5267
shoots, development, seasonal variation 1800
soil fumigation 8187
storage
diseases 1808
disorders 1205
packing 1808
physiology 4549
**Grapes**
acaricides, pest resistance 8196
air layering, treatment 6543
allelopathy 6549
buds
development
cultivars 2780
pruning 7402
dormancy
cultural methods 854, 5587
cyanamide 7434
growth regulators 6556
physiology 1904, 4806
temperature 155
fruiting potential 169, 2780, 4812, 5610, 8650-8651
physiology 3339
chromosomes 6544
climate
microclimate 845
requirements 846, 2762, 6546
cold, resistance, cultivars 2752
cover crops, cultural methods 2764, 4076-4077
cultivars
altitude 2749, 2762
assessment
Bulgaria 2753, 2756, 7377
Turkey 7379
USSR 838, 2050, 2749, 4073
Venezuela 2755
biochemistry 2079, 2785, 3327, 3349, 4068, 4096, 4789, 6571, 7375, 7393, 7436-7437, 8659
characteristics
Brazil 837
Bulgaria 8629, 8631-8632
France 151, 840
Iraq 150
Italy 45, 3323, 5572
Japan 44
Romania 4074, 7380
USA 8630, 8633
USSR 839, 2757, 5431, 5576
books 726
Yugoslavia 4075
climate 2762
clones 5572-5574
dessert cultivars 19, 834, 840, 2755-2756, 4095, 8629, 8632
diseases 1391, 4070-4072, 5604, 6538, 6545, 8629-8630, 8643

**Grapes** *cont.*
cultivars *cont.*
disorders 2051, 6564
dormancy 855, 3343
environment 1378
growth regulators 4809, 8652
harvesting date 4069
histology 2754
history, Brazil 837
identification 5571, 6537, 7374
mechanical properties 2751
morphology 7374
nutrition 3338, 5594, 6558, 7412
nutritional value 2081
pests 7429
phenology 6539
photoperiodism 1399
photosynthesis 4089-4090
physiology 847, 2061, 5608
processing 2048, 4072, 8628, 8632
pruning 2767, 5588, 7404, 7407-7408
ripening 6546
salinity 4800, 5575, 6562
soil types 859
storage 4095, 5614
taxonomy 5571
temperature 2750
tissue culture 7390
training 7375
transport 2751
water relations 8647
wine cultivars 151, 837, 859, 2051, 2753, 2755, 3349, 4074-4075, 4796, 5594, 7375, 7377, 7407-7408, 8627, 8630
winter hardiness 2061, 2078, 2752, 2754, 2777, 2780, 3329-3330, 4067, 4072, 4090, 6548, 7376, 8626, 8629
yields 7408
cultural methods
arid regions 835
Brazil 833, 2049
Chile 834-835
Czechoslovakia 8625
double cropping 857
mechanization 4091
Reunion 21
South Africa 8634
USSR 846
Venezuela 836
cuttings
callus, development 841, 7386
rooting
salinity 7382
seasonal variation 7383
sources
assessment 7381
cultural methods 1258, 7384
storage 7383, 7391
treatment 153, 2057, 7381, 7383-7384, 7391
types
summer cuttings 4791
winter cuttings 4791
defoliation, responses 1402, 2066, 2778, 3341-3342
diseases
*Agrobacterium tumefaciens* 6417, 8643
*Botrytis cinerea* 1389-1390, 2772, 3340-3341, 5597, 5600-5603, 6545, 8657
control
Austria 8641
France 7426
Italy 5465
Switzerland 1387, 2771
USA 8640
*Eutypa armeniacae* 5604, 6566
fungi 1388, 5599
grapevine yellow mosaic virus 4085
*Greeneria uvicola* 8658
*Guignardia bidwellii* 1391, 5405
*Macrophoma* 6566
mycoplasmas 4086
*Phellinus igniarius* 6566
*Phomopsis viticola* 162, 1392, 6566
*Plasmopara viticola* 164, 1394, 2772, 5598, 6397, 8642

**Grapes** *cont.*
diseases *cont.*
*Plasmopara viticola cont.*
reviews 1393
*Pseudopeziza tracheiphila* 5598, 8642
*Stereum hirsutum* 6566
*Uncinula necator* 1395, 4802, 5405, 5598, 5605, 6397, 8642
viruses 4085
*Xanthomonas ampelina* 6538, 6565
disorders
berry shatter 6573-6574
bud necrosis 3339
chlorosis 7425
growth arrestment disease 5578
leaf reddening 2051
millerandage 6576, 8637, 8653
stalk necrosis 2074-2077, 4795, 4801, 5595, 6564, 7418, 7421, 7423, 7428
vein yellowing 7427
dormancy
cultivars 3343
cultural methods 855
cyanamide 855, 857, 3343
fungicides 3343
growth regulators 855-856, 3343
photoperiodism 5608
physiology 5609
temperature 3343
drought, resistance, cultivars 8647
electrical properties, physiology 2061
flowers
development, pruning 7402
histology 5611
sex, determination 170
thinning, responses 4796
frost
injuries 2763, 7151
protection, irrigation 4793
resistance
assessment 2754
biochemistry 1398, 2079
cultivars 847, 1397, 2750, 2780, 3329-3330, 4072, 4090, 7376, 7393
growth regulators 849, 1397
physiology 1398, 2776, 8626
books 3907
tests 847, 2061, 8626
fruits
anatomy 7378
biochemistry
defoliation 6553
growth regulators 4811, 6574, 8653
nutrition 1385, 2072, 4797
pruning 1381
rootstock scion relationships 7385
browning, biochemistry 3347
colour
cultivars 4096
growth regulators 1401
nutrition 2072
composition 2080, 2778-2779, 2785, 3220, 3348-3349, 4068, 4093-4094, 4789, 5613, 6571, 7436-7437, 8659
cracking, cultivars 7378
development
climate 5582
defoliation 2066
growth regulators 3346, 8652-8653
irrigation 168
parthenocarpy 3346, 4813, 5612, 6570
physiology 173, 4814, 7411
soil types 5582
water relations 167, 858
drop, nutrition 5595
histology 2779, 5611
maturity, assessment 8660
mechanical properties
assessment 93
cultivars 2751
microorganisms 5614
physiology 1402

**Grapes** *cont.*
fruits *cont.*
quality
assessment 3908
cultivars 7375, 7407-7408, 7437
cultural methods 7438
defoliation 5591
environment 7412
growth regulators 6556
nutrition 1385, 4796, 5594
pruning 5591, 7428
soil types 2768
soil water 2765
storage 7439
thinning 4796
ripening
biochemistry 4095, 6572
cultivars 7374
growth regulators 1401
latitude 6546
light 8654
temperature 6546, 7374
set
growth regulators 171-172, 1400, 2068, 4811, 4813, 6570
nutrition 6541
pruning 6570
ringing 6570
rootstock scion relationships 6541
size
growth regulators 2774, 5612, 6576
nutrition 2072
thinning
growth regulators 7435
responses 1400, 7438, 8660
vascular system 167
fungicides
application 7433
disease resistance 1387, 1390, 5597, 5600-5601, 5603
injuries 2774
physiology 1392
residues 164, 4088
grafting
cultural methods 7395
rootstocks
assessment 4807, 7386
storage 3328
treatment 2758
scions
assessment 4807
storage 3328
treatment 6540
techniques
assessment 1377, 2760
bench grafts 152, 2759, 3325, 5577, 6540
unions
anatomy 4067
treatment 3325
growth regulators
ABA
composition 2075
responses 2076
Agrostemin, responses 7422
amino acids, responses 3335
auxins, metabolism 8648
chlormequat, responses 172, 849, 7384
ethephon, responses 7438
GA
application 171
responses 7438
IBA, responses 152-153
jasmonic acid, composition 3344
NAA, responses 153
paclobutrazol
responses 2068
translocation 4808
growth retardation, growth regulators 8648
harvesting
harvesting date
assessment 2781-2783
mulching 5587
techniques
assessment 8655

**Grapes** *cont.*
- harvesting *cont.*
  - techniques *cont.*
    - mechanical harvesting 160, 174, 2784, 4091-4092, 7213, 7405, 8655-8656
- heat, protection, irrigation 7434
- herbicides
  - injuries 742, 988, 4080, 4791, 5583, 7397-7398
  - residues 8426, 8636
  - responses 7398
- hybrids, taxonomy 5571
- insecticides, residues 5607, 6310
- irregular bearing, irrigation 3337
- irrigation 5586
  - economics 3332
  - fertilizers, application 3336
  - frequency 1379-1380
  - requirements, determination 157, 6551
  - responses 156, 168, 2063, 2773, 3337, 4793, 4804, 7434
  - systems, reviews 4081
  - water, salinity 158, 1379
- leaves
  - areas, assessment 6569
  - colour, biochemistry 3345
  - composition 158, 2069, 4069, 4788, 7412-7413
  - development, growth regulators 4809
- marketing, Europe 7138
- mulching, responses 5583, 5587
- nematicides, residues 4803
- nurseries, cultural methods 4791
- nutrients
  - absorption
    - irrigation 1380
    - seasonal variation 7414
  - requirements, analysis 2069, 6557-6558, 7416, 7420
- nutrition 5594
  - boron 2070-2071, 3338, 5596, 7422
  - cadmium 851
  - calcium 5595, 7415, 7423
  - iron 7413, 7425
  - magnesium 3336, 5595, 7421-7423, 7425
  - manganese 2073, 4084, 5596, 7413
  - manures 6560
  - nitrogen 154, 850, 853, 1385, 2069-2072, 2074, 2769-2770, 3336-3337, 4083, 5596, 6541, 6559, 7386, 7413, 7415-7419
  - phosphorus 850, 1385, 2069-2071, 2769-2770, 3336-3337, 5584, 5596, 6559, 7386, 7413, 7416, 7420, 8638
  - potassium 850, 1385, 2069-2071, 2073-2074, 2769, 2778, 3336-3337, 4083, 4796, 5596, 6559-6560, 7386, 7413, 7416, 7419
  - surveys, India 7412
  - trace elements 4797-4798, 6559, 6561, 7421, 7424-7425
  - zinc 1386, 2070-2071, 2073, 5596, 7413, 7422
- packing
  - materials 6575
  - techniques 8657
- parasitic plants, *Cuscuta monogyna* 8395
- pesticides, application 4087, 7433
- pests
  - Acari 7432, 8196, 8379
  - *Calepitrimerus vitis* 6567, 8644
  - Coccidae 6568
  - control
    - France 7426
    - USA 8640
    - USSR 8639
  - *Eupoecilia ambiguella* 163, 7430-7431
  - *Eurhizococcus brasiliensis* 5606
  - *Lobesia botrana* 163, 7430-7431
  - mammals 8450
  - *Meloidogyne incognita* 8191
  - Nematoda, reviews 7429
  - *Nysius ericae* 8645
  - *Panonychus ulmi* 2773

**Grapes** *cont.*
- pests *cont.*
  - Pseudococcidae 5607
  - *Pulvinaria vitis* 8646
  - Tortricidae 7432
  - *Tylenchulus semipenetrans* 7387
- photoperiodism 1399, 2776, 4806, 5608
- photosynthesis
  - aspect 845
  - cultivars 4089-4090
  - cultural methods 8634
  - defoliation 6553
  - growth regulators 166
  - pests 1396
  - pruning 2062
- plant
  - composition 36, 4814
  - development
    - physiology 4814
    - temperature 852
  - histology 2763
- plant residues
  - utilization
    - building materials 7441
    - growing media 2735, 9294
- planting
  - books 3207
  - orientation 4663, 7394
  - spacing 2059-2060, 4663, 4792, 7375, 7392, 7406
  - systems 3329
- planting stock
  - production
    - soilless culture 2058
    - techniques 2758-2759, 5577
    - tissue culture 7388
  - quality, nutrition 7413
  - storage 6545, 7391
  - treatment 5581, 6545
- pollen
  - composition 6537
  - morphology 4810
- pollution, hydrogen fluoride 3331
- processing
  - cultivars 2048, 4072, 8628, 8632
  - residues 4960, 5025, 7147, 7901
- production
  - Argentina 7204
  - Brazil 2049, 7373
  - Chile 7204
  - France 19
  - Morocco 3322
  - surveys 2048
- protected cultivation
  - diseases 6397
  - disorders 6397
  - irrigation 7411
- pruning
  - economics 7400-7401
  - prunings disposal 7441
  - responses 159, 850, 1381, 2062-2064, 2766, 3329, 3333-3334, 4792, 4794, 4805, 4812, 5588, 5591, 6552-6555, 6570, 7428, 8637, 8650-8651
  - seasons 4082, 7402, 8637
  - systems
    - assessment 159, 1381, 1400, 2064, 2766-2767, 3329, 3333-3334, 4082, 4794, 4812, 5588-5590, 5610, 6554, 7392, 7394, 7403-7404, 7406-7408, 8637
    - mechanical methods 2065, 7132, 7399-7401, 7405
    - root pruning, reviews 1382
- regeneration, topworking 7395
- replanting
  - diseases 7396
  - disorders 6549
- reports
  - Colombia 3213
  - Cyprus 731
  - German Federal Republic 14, 16, 732-733, 3214-3215, 3916, 7133
  - New Zealand 734
- research, Chile 2581
- ringing, responses 6570, 7438

**Grapes** *cont.*
- roots
  - development
    - assessment 2775
    - growth regulators 4809
    - pruning 4805
    - soil management 5583
    - soil types 2768
  - histology 2754
- rootstock scion relationships
  - biochemistry 6542, 7385
  - compatibility 1377, 2752, 3327
  - growth 6541
  - nutrition 154
  - pests 7387
  - physiology 2055
  - winter hardiness 6548
  - yields 7387
- rootstocks
  - assessment 2053
    - South Africa 5578
    - USA 4790
  - biochemistry 3327
  - characteristics
    - France 2056
    - Italy 3326
  - cultural methods 7386
  - diseases 3326, 3328, 4790
  - herbicides 7398
  - mycorrhizas 5593
  - pests 5579
  - propagation, cuttings 153, 841, 2054, 2057, 7383-7384
  - salinity 6563
  - soil types 3326
  - winter hardiness 2754, 6547
- salinity
  - injuries 4799
  - responses 161, 4800, 5575, 6563, 7382
  - tolerance 6562
- sap, composition 4068
- seeds
  - development, physiology 7411
  - dormancy, cyanamide 2052
  - germination, biochemistry 3324
- shade, responses 4801
- shoots
  - biochemistry, temperature 2777
  - development
    - physiology 8648
    - pruning 2062
- soil compaction, harvesting 2784
- soil management, systems 4079, 5583-5584
- soil types 2768, 4073
- soil water, responses 2765
- soilless culture, systems, hydroponics 7411
- storage
  - biochemistry 4095
  - cultivars 5614
  - diseases 8657-8658
  - disorders 6573
  - packing 6573, 6575, 7439
  - quality
    - fungicides 7440
    - growth regulators 1401, 6574, 7440
    - nutrition 7440
  - systems, sulphur dioxide 6573, 6575
  - temperature 7439, 8657
- suckers, control, growth regulators 7410
- taxonomy, chemotaxonomy 5571, 7374
- tissue culture
  - culture media 843, 6563, 7389
  - cytology 165
  - explants, sources 844
  - metabolites, production 1384, 9076
  - organogenesis 2761
  - propagation
    - embryos 5580
    - micropropagation 6544, 6563, 7390
    - ovules 5580, 7389
    - protoplasts 842-843
    - responses 7388
  - storage 6544, 7390
  - techniques 2545

**Grapes** *cont.*
training
economics 7409
mechanical methods 160
responses 2060, 2067, 3334, 4792, 7428
systems 46, 175, 2067, 4663, 4792, 4795, 7375, 7394, 7400, 7404, 7406, 7409
transpiration
irrigation 4804
physiology 5611
water relations
cultivars 8647
growth regulators 849
physiology 4804
soil types 5592
weed control 29, 848, 4077-4079, 4348, 5583-5585, 5587, 7397, 8395, 8635, 8640
weeds
biology 8635
surveys, Spain 6550
winter hardiness
histology 4067
physiology 5609
pruning 2062
rootstock scion relationships 6548
rootstocks 6547
water relations 2078
yields, correlation 175, 3337, 3342, 7437
**Grapevine fanleaf virus,** grapes 8640
**Grapevine leaf roll virus,** grapes 8640
**Grapevine yellow mosaic virus,** grapes 4085
**Grapevines** (*see* Grapes)
***Graphiola phoenicis,*** dates 4554
***Graphocephala fennahi,*** *Rhododendron* 1042
**Grass clippings,** utilization, mulches, cabbages 1449
**Grass sward**
as cover crops
apples 1947, 2627
grapes 154, 2764, 4077, 5583
raspberries 3304, 8603
**Gravel**
utilization
growing media
*Cymbopogon citratus* 4453
Welsh onions 6591
**Greece,** apricots, cultivars 1966
**Green manures**
*Areca* 9305
coconuts 8260, 9335
grapefruits 5271
lettuces 222
mandarins 5271
oranges 5271
*Phaseolus vulgaris* 6673
plums 818
woody plants 4414
***Greeneria uvicola,*** grapes 8658
**Greengages** (*see* Plums)
**Greenhouse crops**
climate, monitoring 8409
diseases
Erysiphales 1264
*Pseudoperonospora cubensis* 1473
growing media
temperature 7165
water relations 6396
growth regulators, ethylene, injuries 4631
pests
Acari 7188, 8379
control, Italy 7456
insects 7188
*Liriomyza bryoniae* 7456
Noctuidae 7181
*Tetranychus urticae* 7189, 7456
*Trialeurodes vaporariorum* 7456
photosynthesis, physiology 5390
plant, development, temperature 7162
pollution, nitrogen oxides 4631
protected cultivation
carbon dioxide 4631, 6392, 7158
reviews 31
energy conservation 2593
energy requirements 2594
irrigation 8405
**Greenhouse crops** *cont.*
protected cultivation *cont.*
pollution 4631, 6392
respiration, physiology 5390
salinity, responses 6408
soilless culture
irrigation 6387
systems, containers 5385
transpiration, measurement 1260
**Greenhouses** (*see also* Protected cultivation)
carbon dioxide
control, equipment 7159
production
equipment 34, 2600, 5395, 6392, 7158, 7161
measurement 7160
cladding 33, 2598, 3225, 4620, 4641, 5792, 6394, 6397-6398, 6400, 6406-6407, 6578, 7167, 8402-8403, 8408, 8541, 8941
climate
control
equipment 738, 1261, 5393, 7162, 7166
mathematical models 6402, 7173
cooling systems 35, 4378
design 2598-2599, 2601, 2903, 3489, 3928, 4636, 4643-4644, 4956, 5391, 5394, 6395, 7167, 7172, 8400, 8404, 8406, 8412
economics 8412
energy balance 8409
energy conservation 2593, 2598, 4633, 4646-4647, 5009, 5396, 6403, 6405, 6723, 7169, 8398, 8406-8408, 8413, 8880
energy requirements 5396
environment, control, equipment 2600
equipment 1260, 5890, 8410, 8416
heat retention 429, 3228, 3928, 4633, 4635-4637, 4645-4646, 5396, 6391, 6403, 7164, 8413, 8880
heating systems 2591, 3927, 3930-3931, 4634, 4638, 4640, 4642, 4645-4647, 5009, 5392, 5619, 6389, 6391, 7170, 7449, 8398, 8411
humidity 7168, 8409
light, interception 5989
light transmission 2592, 2595-2596, 2601-2602, 6398, 6404, 6407, 6723, 8406, 8414-8415, 8541, 8941
lighting, equipment 2597, 4154, 8399
orientation 6407, 7172, 8415
research 8400
shading 429, 4644
shelterbelts 3228
temperature 7171
diurnal variation 3617
ventilation 737, 3929, 4309, 4648, 7754, 8541
***Grevillea***
herbicides, injuries 6072
weed control 6072
***Grevillea hookerana***
herbicides, injuries 6072
weed control 6072
***Grewia bicolor,*** roots, composition 2387
***Grewia subinaequalis***
seeds, composition 7110
trichomes 8427
***Grifola frondosa,*** composition 1134-1135
**Ground cover plants**
landscaping
Czechoslovakia 2201
USSR 4403
**Growing media**
aeration
carnations 5954
*Codiaeum variegatum* 9000
pot plants 9002
tomatoes 8885
woody plants 2265
characteristics
*Codiaeum variegatum* 4394
foliage plants 4402
*Gerbera* 8955
horticultural crops 7178, 8397
pot plants 7901, 9002
books 7113
**Growing media** *cont.*
characteristics *cont.*
tomatoes 8885
composition
*Amorpha fruticosa* 1898
apples 8474
*Auricularia auricula* 2188-2189
*Begonia hiemalis* 7858
broccoli 7541
*Capsicum* 298
chrysanthemums 8954
*Corchorus olitorius* 8709
cucumbers 1474, 6648, 7599
*Cyclamen persicum* 5030
*Elaeagnus angustifolia* 1898
*Euryale ferox* 981
foliage plants 2252, 8997
*Freesia* 4372
*Gerbera* 5993, 8955
horticultural crops 6527, 7177
*Lentinula edodes* 2195, 3526-3527, 3529, 4993
melons 1471
*Mentha villosa* 5126
mushrooms 1552, 4338, 7818
*Nephrolepis exaltata* 9006
olives 9294
onions 865
ornamental plants 7147, 8944
peas 1898
*Phaseolus vulgaris* 6666
*Pleurotus* 3530, 4992, 5937
*Pleurotus ostreatus* 1558, 4993
*Pleurotus sajor-caju* 5938, 8938
pot plants 2252, 6048, 8942, 8946, 9003
rhubarb 1898
*Rosa multiflora* 4423
spinach beets 8709
strawberries 2735
*Syngonium podophyllum* 6055
*Tagetes patula* 860, 5025
tomatoes 966, 6731, 8893
*Trachelium caeruleum* 6018
vegetables 860, 4828
woody plants 5070, 8945
conferences 7122
microorganisms
radishes 5700
tomatoes 6731
pH
carnations 5954
*Codiaeum variegatum* 4394
*Dieffenbachia* 7894
*Euryale ferox* 981
*Exacum affine* 3624
*Ficus benjamina* 7894
*Hedera helix* 3624
poinsettias 6846
*Spathiphyllum* 2260
porosity
*Cyclamen persicum* 5030
foliage plants 2252
ornamental plants 8944
poinsettias 6846
pot plants 2252
tomatoes 6731, 8885
woody plants 2265
production
horticultural crops 7176, 7178
mushrooms 362, 4988-4990
regeneration, tomatoes 7752, 7760, 8890
temperature
foliage plants 6826
*Gerbera* 384
greenhouse crops 7165
horticultural crops 1251
*Nephrolepis exaltata* 442
planting stock 6842
pot plants 369
tomatoes 2166
water relations
carnations 5954
greenhouse crops 6396
horticultural crops 4997, 8417
mushrooms 4338
pot plants 9002-9003
tomatoes 8885
**Growth chambers**
design, plants 23

**Growth chambers** *cont.*
environment, control, equipment 7144
light transmission 2588
**Growth regulators**
ABA
absorption, lettuces 8712
biosynthesis
*Cucurbita maxima* 5766
peas 5766
*Phaseolus vulgaris* 5765-5766
composition
*Dactylorhiza maculata* 3605
*Epipactis helleborine* 3605
grapes 2075
hyacinths 6028
mangoes 1222
peas 2876, 4269
*Solanum muricatum* 149
*Sorbus aucuparia* 4440
tomatoes 6749
*Vicia faba* 5775, 8790
determination
apples 55
*Citrus* 6256
fruit crops 1252
peas 2144
plants 5407
metabolism
apples 769, 5472
*Asparagus densiflorus* 1900
avocados 2504
*Cereus validus* 4393
*Citrus* 644
*Coleus blumei* 3594
*Costus speciosus* 8048
fruit crops 6412
garlic 7466
grapes 4806
hazelnuts 8526
lettuces 8712
melons 904
peaches 1993, 4730
*Phaseolus vulgaris* 269, 8781
tomatoes 4324-4325
*Vicia faba* 5776
physiology
apples 767, 8510
avocados 2505
carnations 5983
okras 3473
peas 4930
*Phaseolus vulgaris* 915, 4226
*Senecio articulatus* 443
*Simmondsia chinensis* 8141
*Spathiphyllum wallisii* 444
tomatoes 1527
*Vicia faba* 8795-8798
responses
almonds 4667
apples 769, 5472, 5478
aubergines 955
avocados 2507, 7015, 8167
*Capsicum* 4286
cucumbers 5407, 5742
*Cucurbita pepo* 1483
grapes 2076
mangoes 2557
*Paulownia tomentosa* 3647
peas 277, 1509, 5805
*Phaseolus vulgaris* 4908
rough lemons 3832
*Sinapis alba* 9063
*Syzygium aromaticum* 6129
*Thevetia peruviana* 3651
tomatoes 3503
*Vicia faba* 924
tissue culture
carrots 7799-7800
*Catharanthus roseus* 1721
hyacinths 6028
lemons 1806
*Nelumbo lutea* 7890
pears 1348
translocation, peas 4930
acetylene
responses
bananas 1218
mangoes 701
acetylsalicylic acid, responses, onions 8692
actinomycin D, responses, apples 3255

**Growth regulators** *cont.*
adenine
tissue culture
*Angelica sinensis* 544
*Ferocactus acanthodes* 439
adenine sulphate
tissue culture
olives 9287
*Ziziphus sativa* 5352
Agrostemin
responses
grapes 7422
radishes 2112
Agrovitae, responses, radishes 2112
alcohols
responses
aubergines 4943
tomatoes 8884
vegetables 2842
allylpyridyl thiourea, responses, cabbages 1451
amidochlor
injuries, lawns and turf 421
responses, lawns and turf 421, 1614
amino acids, responses, grapes 3335
aminocyclopropane carboxylic acid
composition, poinsettias 1636
determination
avocados 3826
carnations 3826
metabolism
apples 1959, 5477-5478
bananas 8242
carnations 6775
cucumbers 4898
*Cucurbita pepo* 1483
*Freesia* 2224
melons 905
oranges 9274
peaches 2001
pears 111
tomatoes 2172, 7792
*Vicia faba* 5777
physiology
roses 1640
spinach 4129
responses
apples 3263
avocados 3263
olives 8216
*Petunia* 3553
poinsettias 1636
tomatoes 7792
tulips 4377
tissue culture, tulips 4376
translocation, cucumbers 4898
aminoethoxyvinylglycine
responses
apples 80, 2644
*Cucurbita pepo* 1483
lettuces 877
pears 111
peas 2872
*Petunia* 3553
*Vaccinium ashei* 4054
aminooxyacetic acid
determination, carnations 5986
responses
almonds 746
carnations 5985-5986
chrysanthemums 381
lettuces 877
olives 8216
pears 111
*Vaccinium ashei* 4054
ancymidol
application, *Lilium longiflorum* 409
responses
*Anemone coronaria* 1012
*Begonia hiemalis* 7859
celery 2935
chrysanthemums 2207, 6777
*Clerodendrum thomsoniae* 482
container grown plants 1035
*Eustoma grandiflorum* 6792
foliage plants 3589
*Gladiolus* 3567
lettuces 878
*Lilium longiflorum* 410
melons 5733
*Paulownia tomentosa* 3647

**Growth regulators** *cont.*
ancymidol *cont.*
responses *cont.*
*Pentas lanceolata* 6014
*Ranunculus asiaticus* 1012
*Rhododendron obtusum* 4418
roses 9042
*Stephanotis* 3650
*Syngonium podophyllum* 2261
tissue culture, *Asparagus* 281, 1517
Aron, responses, *Citrus limettioides* 1202
auxins
composition
apples 1934
hyacinths 6028
*Paeonia lactiflora* 402
peaches 4729
*Solanum muricatum* 149
metabolism
carrots 5930
coffee 8263
grapes 4806, 8648
tomatoes 6747, 8907
physiology, carnations 5983
responses
peas 3457-3458
strawberries 147
*Vanilla planifolia* 6867
tissue culture
carrots 5930
Chinese cabbages 228
horticultural crops 1908
reviews 1910
hyacinths 6028
strawberries 4058, 6525
translocation
*Cucurbita pepo* 901
mangoes 2556
Azoluron, responses, tomatoes 8911
BA
absorption, plums 7329
physiology
onions 3363
*Phaseolus vulgaris* 918
responses
*Anthurium andreanum* 6006
apples 1941, 3256, 6436, 6438, 6458
*Asparagus densiflorus* 5057
*Capsicum* 6704
carnations 5975
celery 8931
*Cephaelis ipecacuanha* 8043
cherries 3271, 7285
cucumbers 2848, 5712
*Cyclamen persicum* 407
*Dieffenbachia* 9001
*Epipremnum pinnatum* 438
fruit crops 6412
*Gerbera* 2270
*Kalanchoe tomentosa* 432
lawns and turf 6824
olives 2541
peas 2145, 4268
*Pelargonium zonale* 8960
*Phalaenopsis amabilis* 7908
plants 1258
poinsettias 2270
*Rhipsalidopsis gaertneri* 2258
roses 2991
rough lemons 3832
sour oranges 3142
*Spathiphyllum* 2975, 3601
*Stevia rebaudiana* 8162
*Syngonium podophyllum* 445
tomatoes 4950
*Vaccinium ashei* 4054
vegetables 7610
watermelons 2847
*Zamia pumila* 1663
tissue culture
*Aconitum carmichaelii* 6169
*Actinidia arguta* 125
*Adiantum capillus-veneris* 3593
*Albizia lebbek* 6172
*Angelica sinensis* 544
*Anthurium scherzerianum* 3555
*Antirrhinum* 3546
apples 4675-4676, 5443, 7225-7226

**Growth regulators** *cont.*
BA *cont.*
tissue culture *cont.*
*Artemisia dracunculus* 2299, 4443
*Asparagus* 947
aubergines 1524
cabbages 1450, 5695
*Camellia* 3622
*Capsicum* 2885
carnations 377, 2203, 5001, 5966
*Catharanthus roseus* 559-560, 3736
cherries 89, 788
chestnuts 2666
chrysanthemums 3546, 4355, 7836
*Citrus* 2517
cocoa 685
*Codonopsis lanceolata* 3560
*Cordyline fruticosa* 3422
*Corydalis remota* 4486
*Crocus sativus* 1665
*Cyclamen persicum* 408, 4369
*Cymbidium* 3608, 6059
*Cymbidium kanran* 6058
*Cyrtomium falcatum* 3595
*Cyrtopodium* 9016
*Cytisus* 7942
*Duboisia myoporoides* 2382
*Euphorbia hirta* 4493
ferns 3591
*Ficus lyrata* 440
*Ficus religiosa* 1650
figs 1982
*Fuchsia* 4433
*Galanthus elwesii* 3575
garlic 1408, 5632
*Gasteria croucheri* 1738
*Gerbera* 5992
*Gladiolus* 3568
*Glehnia littoralis* 3085
grapes 843
*Hyssopus officinalis* 5119
*Kalanchoe daigremontiana* 1618
kiwifruits 7337
*Leucojum aestivum* 416
*Ligusticum wallichii* 591
*Lilium* 1017
*Magnolia* 3627
mangosteens 9410
*Mirabilis jalapa* 3025
*Nelumbo lutea* 7890
*Panax pseudoginseng* 8084
*Panax quinquefolius* 8088
*Papaver somniferum* 4508, 6214
pawpaws 6319
pears 806, 2004
*Petunia alpicola* 5998
*Platycodon grandiflorus* 3560
plums 7329
pome fruits 1345
pomegranates 3163, 6276
*Prunus tenella* 4439
*Pyrus* 2690
raspberries 2714
*Rauvolfia serpentina* 3105, 8100
*Rosa* 6096
roses 2992, 4419-4421
*Saintpaulia* 1003
*Senecio hybridus* 3562, 7852-7853
*Sideritis angustifolia* 9205
*Smilax zeylanica* 2438
*Solanum quitoense* 1822
*Stephania cepharantha* 6989
*Stevia rebaudiana* 5247
stone fruits 7205
strawberries 2730, 3312, 4767, 5556, 7362
sugarcane 9383
*Tabernaemontana* 630
tea 6351
*Thalictrum* 3115
*Vaccinium corymbosum* 8606
*Valeriana wallichii* 4528
*Vicia faba* 7647
woody plants 3616
*Zingiber officinale* 6134, 9067
*Ziziphus sativa* 5352, 7108

**Growth regulators** *cont.*
brassinolide
responses
peas 7688
radishes 7573
brassinosteroids, composition, plants, reviews 7190
canaline, responses, lettuces 877
carbaryl
application, apples 3245, 3258
responses
apples 1958, 3245, 3258, 4697-4698, 6456-6457
grapes 6576
carbazates
responses
*Sinapis alba* 7785
tomatoes 7785
carbendazim, responses, cashews 8243
chlorfenethol, responses, medicinal plants 531
chlorflurecol
physiology, tomatoes 1541
tissue culture, *Kalanchoe daigremontiana* 1618
chlormequat
injuries
raspberries 7348
small fruits 7335
responses
apples 3254, 4684, 4686, 4692
*Begonia hiemalis* 7859
*Bellis* 1007
cabbages 8721
*Capsicum* 5852
cauliflowers 2827
cherries 4721-4722, 6476
*Citrus meyerii* 3831
container grown plants 1035
*Cyamopsis tetragonoloba* 2136
*Epipremnum pinnatum* 4396
grapes 172, 849, 1400, 4811, 6570, 6574, 7384, 8648
*Jasminum multiflorum* 7927
medicinal plants 531
*Myosotis* 1010
olives 2536
*Paulownia tomentosa* 3647
peaches 4729
pears 105, 1350, 3284
*Pelargonium* 8959
*Pelargonium hortorum* 5014
*Pentas lanceolata* 6014
*Phaseolus vulgaris* 6671, 8778
pineapples 6324
plums 8584, 8588
poinsettias 1635, 6086
raspberries 7348
*Rhododendron obtusum* 4418
*Stephanotis* 3650
strawberries 140, 830, 2734, 3316
*Tanacetum cinerariifolium* 9094
tomatoes 327, 963, 965, 2160, 2921, 3535
*Verbena rigida* 6022
tissue culture
*Aechmea fasciata* 1616
*Artemisia annua* 548
*Asparagus* 1517
chlorodiethylamino ethoxyphenyl methylphenyl benzene ethanol, tissue culture, *Artemisia annua* 548
chloroethylmethylbenzyloxysilane
responses
olives 1817
peaches 1993
chloromethylnitropyrazole, responses, oranges 3147, 3837
chloropyridylphenylurea
tissue culture
horticultural crops 1897
*Rhododendron* 1897
chlorphonium, tissue culture, *Asparagus* 1517
conferences 7123
fruit crops 3211
CPA
application, tomatoes 5917
responses, tomatoes 5917-5918

**Growth regulators** *cont.*
4-CPA
tissue culture, bananas 6285
responses
boysenberries 1365
pineapples 6324
tissue culture, pawpaws 1224
cycloheximide
responses
apples 3263
aubergines 3486
avocados 3263
*Litchi* 3154, 7035
oranges 3147
peas 3459
cyclohexylmethylene dimethylethyl triazole ethanol, responses, *Lilium longiflorum* 410
cytokinins
composition
bananas 8239
*Dioscorea floribunda* 5187
mangoes 1222, 8293
*Solanum muricatum* 149
determination
*Cucurbita maxima* 900
*Phaseolus vulgaris* 7642
metabolism
grapes 4806
*Kalanchoe laxiflora* 4399
*Phaseolus vulgaris* 922, 8781
radishes 1460
physiology
carnations 5983
peas 4930
tomatoes 343
responses
almonds 4667
apples 1942
cocoa 9316
fruit crops 6412
grapes 4813
peaches 6495
peas 2145
tomatoes 5887
*Vanilla planifolia* 6867
tissue culture
aubergines 313
Chinese cabbages 228
horticultural crops, reviews 1897, 1909
lemons 3126
melons 4890
strawberries 4058, 6525
translocation, peas 4930
2,4-D
absorption
horticultural crops 4656, 4658
sour oranges 4654
tomatoes 4969
responses
Bignoniaceae 2281
*Cucurbita pepo* 1483
dates 1207
okras 4934
oranges 5280
*Polianthes tuberosa* 6822
*Rauvolfia serpentina* 2423
*Rosa damascena* 5134
satsumas 3839
strawberries 8623
tomatoes 970
tissue culture
*Aconitum carmichaelii* 6169
*Adiantum capillus-veneris* 3593
*Angelica sinensis* 544
apples 4675
*Artemisia dracunculus* 2299
*Asclepias curassavica* 9120
aubergines 1524
bananas 6284
cabbages 1450, 5681
*Camellia japonica* 6078
carrots 5930, 7800
*Catharanthus roseus* 560, 1719
*Codonopsis lanceolata* 3560
*Colchicum autumnale* 6184
*Corydalis cava* 2371
*Crocus sativus* 3656
*Cymbidium* 3608
dates 658-659

**Growth regulators** *cont.*
2,4-D *cont.*
tissue culture *cont.*
*Duboisia myoporoides* 2382
*Elaeis* 8297
*Euphorbia hirta* 4493
*Ficus religiosa* 1650
*Fuchsia* 4433
garlic 2088, 5632
grapes 165, 843
*Iris pumila* 4373
*Ligusticum wallichii* 591
*Lilium longiflorum* 7864
longans 6267
*Lycium chinense* 4437
*Mirabilis jalapa* 3025
*Panax quinquefolius* 8088
*Papaver somniferum* 4508, 6214
pears 1348
*Petunia alpicola* 5998
*Platycodon grandiflorus* 3560
*Rauvolfia serpentina* 3105
*Rheum palmatum* × *Rheum coreanum* 3798
*Rhododendron* 2273
*Ruta graveolens* 5220
sapodillas 1852
*Smilax zeylanica* 2438
*Solanum laciniatum* 3807
*Solanum xanthocarpum* 3809
*Stangeria eriopus* 2292
*Stevia rebaudiana* 5247
strawberries 4767, 5556
sugarcane 4591, 9383
*Tabernaemontana* 630
tea 6078
*Trachyspermum ammi* 6886
*Zingiber officinale* 9067
*Zizania latifolia* 983
*Ziziphus sativa* 7108
daminozide
application, apples 1300
responses
*Anemone coronaria* 1012
apples 748, 761, 773, 2626, 3254, 3256-3257, 3262, 3969, 4679, 4692, 4697, 5446, 5473, 6437, 6454, 8470-8472, 8513
apricots 8521
*Asclepias tuberosa* 6788
*Bellis* 1007
*Calendula officinalis* 397
*Campanula poscharskyana* 6789
cherries 1321, 2665, 4721, 6476
chrysanthemums 2207, 4356, 6776-6777
*Citrus limettioides* 1202
*Coreopsis verticillata* 7850
*Dahlia* 3535
*Eustoma grandiflorum* 6792
*Exacum affine* 4356
grapes 854, 4811
*Myosotis* 1010
peaches 2684, 5492, 6495
pears 105, 7312
*Pentas lanceolata* 6014
*Phaseolus vulgaris* 6671
plants 1258
plums 8584-8585
*Ranunculus asiaticus* 1012
raspberries 130
*Rhododendron obtusum* 4418
*Stephanotis* 3650
tomatoes 5877, 7783
*Trachelium caeruleum* 6018
tissue culture, *Asparagus* 1517
Dextrel, responses, tomatoes 2160
diethyloxomorpholinium chloride, responses, *Citrus meyerii* 3831
dihydrozeatin
composition, mangoes 8293
determination, *Cucurbita maxima* 900
dihydrozeatin riboside
composition, mangoes 8293
determination, *Phaseolus vulgaris* 6679
dikegulac
responses
*Asparagus* 5837

**Growth regulators** *cont.*
dikegulac *cont.*
responses *cont.*
*Columnea microphylla* 432
*Stephanotis* 3650
dimethipin, responses, *Phaseolus vulgaris* 919
dimethyl chloroethyl hydrogen chloride, responses, apples 8472
dimethyl morpholinium chloride, responses, apples 8472
dimethylsulphoxide, responses, radishes 6638
diphenylurea
responses
pears 3284
radishes 1460
tissue culture, horticultural crops 1908
etacelasil, responses, olives 670, 2542
ethephon
application, apples 3258
injuries, lawns and turf 6823
physiology, onions 3363
responses
*Acer ginnala* 6101
apples 773, 2641, 3254, 3258, 4692, 4697-4698, 4712, 6437, 6457, 8472-8473
*Asparagus densiflorus* 5057
*Capsicum* 2889, 5853
carnations 3542
cherries 1320-1321, 6476
chrysanthemums 381
cucumbers 4194
grapes 855-856, 1401, 3343, 7383, 7438, 8653
lawns and turf 6823
*Macadamia* 1210
mangoes 8295
nectarines 3280
okras 4949
olives 670, 1211, 1817
*Papaver somniferum* 4509
peaches 1999, 2679, 2684, 6486, 6494
pears 8565
peas 278, 7688
*Pharbitis nil* 996
pineapples 706, 2562, 6324
plants 1258
plums 6508
raspberries 7348
*Solanum muricatum* 3865
sugarcane 5341-5342
swedes 239
*Syzygium cumini* 8367
tamarillos 3865
tomatoes 351, 963, 1545, 2160, 5877, 7791
tulips 4377
*Vicia faba* 2868
walnuts 8592
watermelons 1479
tissue culture, tulips 4376
ethychlozate
responses
*Gladiolus* 3567
satsumas 3839
tissue culture, cabbages 5695
ethylene
biosynthesis
apples 3263, 5473
avocados 3263
pawpaws 703
poinsettias 1636
*Vicia faba* 5777
composition, apples 1961, 3970, 7269
determination, greenhouses 7158
injuries
chrysanthemums 1569
greenhouse crops 4631
metabolism
*Annona* 8232
apples 81, 84, 1959, 1962, 3262, 3971, 4699-4700, 4704, 5472, 5477-5478, 6459, 7267
avocados 8166
carnations 376, 5985, 6775

**Growth regulators** *cont.*
ethylene *cont.*
metabolism *cont.*
*Cucurbita pepo* 1483
*Cymbidium* 454
*Freesia* 2224
grapes 4806
kiwifruits 8597
lettuces 877
*Lilium speciosum* 3570
melons 904
oranges 3144, 9274
peaches 2001, 2679, 2681
pears 111, 3286
peas 2872, 3457
pot plants 3539
*Solanum muricatum* 3865
tomatoes 336, 2172, 3507, 4963, 7792
vegetables 360
*Vicia faba* 1496
*Zantedeschia* 2240
physiology
apples 2644
carnations 5983
mangoes 8292
olives 8216
*Petunia* 3553
*Pharbitis nil* 996
roses 1640
*Spathiphyllum wallisii* 444
spinach 4129
*Vicia faba* 2868
responses
almonds 746
*Annona* 8232
apples 2644, 5473, 7267
*Asparagus densiflorus* 5057
avocados 2171, 2503, 8166
bananas 8242
carnations 376, 2205, 5984
grapefruits 3841
mandarins 3148
mangoes 701-702
melons 905
okras 4949
persimmons 3863
*Pharbitis nil* 997
*Phaseolus vulgaris* 3420
pome fruits 1305
roses 477
tomatoes 349, 2171, 7792
watermelons 6663, 8762
*Zantedeschia* 2240
tissue culture, tulips 4376
fenoprop
responses
apples 3262
dates 1207
satsumas 3839
ferulic acid, responses, *Phaseolus vulgaris* 2862
FL 425, responses, strawberries 3316
fluazifop, responses, sugarcane 5342
fluometralin, injuries, *Rhododendron obtusum* 4418
flurprimidol
physiology, woody plants 1047
responses
*Anemone coronaria* 1012
apples 6453
*Asclepias tuberosa* 6788
chrysanthemums 2207, 4356
*Exacum affine* 4356
*Forsythia spectabilis* 1051
lawns and turf 1614
*Phaseolus vulgaris* 1047
*Ranunculus asiaticus* 1012
strawberries 4784
woody plants 1047
translocation, apples 1047
folcysteine, responses, radishes 2112
folic acid, responses, radishes 2112
fusicoccin
physiology
peas 8828
*Vicia faba* 8798
responses
*Paulownia tomentosa* 3647
peas 3458-3459, 7688
radishes 3390

**Growth regulators** *cont.*
GA
absorption, tomatoes 8908
application
grapes 171, 3346
*Mentha* 9070
okras 7706
biosynthesis, spinach 869
composition
celery 2935
grapes 3339
*Litchi* 3859
loquats 9282
*Lycopersicon pimpinellifolium* 8913
peaches 4729
*Solanum muricatum* 149
tomatoes 6749, 8913
*Vicia faba* 8790
determination, *Pharbitis nil* 25
metabolism
*Alnus glutinosa* 4429
apples 4696, 8472
avocados 2504
carrots 5926
*Citrus* 644
grapes 4806
peaches 4730
peas 278
*Phaseolus vulgaris* 7623
tomatoes 8908
physiology
onions 3363
*Phaseolus vulgaris* 918
tomatoes 347, 1527, 6748
responses
*Acer ginnala* 6101
*Achimenes grandiflora* 3574
*Actinidia* 7336
almonds 3234, 4667
*Anthurium andreanum* 6006
apples 761, 3256, 6436, 6438, 6458, 7258, 7274, 8470-8471
apricots 3234, 7278
*Aster* 6785
aubergines 4971, 6715
bananas 2548
beetroots 7493
Bignoniaceae 2281
cabbages 8721
*Calendula officinalis* 6785
*Campanula poscharskyana* 6789
*Capsicum* 2116, 2150, 5852, 7719
carnations 5975
*Cassia fistula* 5084
cauliflowers 2159, 6627, 7549
celery 8931
cherries 785, 2657, 2664, 3269, 3271, 6473, 7285
chicory 7511
*Chrysanthemum frutescens* 7849
*Citrus latifolia* 1201
container grown plants 1035
*Crocus sativus* 6863
cucumbers 2116, 4194
*Cucurbita pepo* 1483, 4900, 7613
*Cyclamen persicum* 407, 3566
dates 660, 1207
*Dieffenbachia* 9001
*Exacum affine* 1008
*Ficus benjamina* 1649
*Ficus pumila* 3272
*Gaillardia grandiflora* 7851
*Gladiolus* 6808
globe artichokes 208, 4131, 7510
grapefruits 7026
grapes 2774, 3343, 3346, 4811, 4813, 5612, 6542, 6556, 7438, 7440
guavas 4584
*Hevea* 8315
*Hippophae rhamnoides* 6534
*Impatiens balsamina* 400
*Indigofera articulata* 6136
*Iris setosa* 1016
*Jasminum arborescens* 6873
lemons 8203-8204
lettuces 878, 7514

**Growth regulators** *cont.*
GA *cont.*
responses *cont.*
*Litchi* 5287, 7036
mangoes 9359
melons 5733
*Mentha* 9070
nectarines 3281
okras 4934, 7706-7707
olives 2536, 2541
oranges 1804
*Panax pseudoginseng* 8086
*Papaver somniferum* 4509
*Paulownia tomentosa* 3647
pawpaws 8307
peaches 98, 2684, 4729
pears 1350, 2692, 3284, 7314
peas 2876, 4269, 4931-4932, 4949, 7688, 8827
*Pelargonium* 2210
*Pelargonium zonale* 8960
*Perilla frutescens* 4984
persimmons 5289
*Pharbitis nil* 387
*Phaseolus vulgaris* 6671
pineapples 6324
plants 1258
plums 116, 6508
*Polianthes tuberosa* 2238, 6822
pumpkins 5730
roses 2278
rough lemons 3832
sour oranges 3142
*Spathiphyllum* 4404
spinach 4129
strawberries 1373, 3316
tomatoes 348, 2159, 4971, 5877, 5918, 6751, 6753, 7791, 8911
tulips 5039
*Vicia faba* 8790
*Zantedeschia* 417
tissue culture
*Aconitum carmichaelii* 6169
*Antirrhinum* 3546
apples 4676
*Asparagus* 1517
*Begonia hiemalis* 405
cabbages 1450
*Camellia* 3621-3622
carrots 7804
*Catharanthus roseus* 560
chrysanthemums 3546
cocoa 685, 8248-8249
*Cyrtomium falcatum* 3595
*Iris pumila* 4373
*Kalanchoe daigremontiana* 1618
*Nelumbo lutea* 7890
*Panax pseudoginseng* 8084
*Papaver somniferum* 4508
plums × *Prunus spinosa* 4021
*Pyrus* 2690
roses 4419, 4421
woody plants 3616
gibberellins
biosynthesis
peas 5788
*Phaseolus vulgaris* 7620
composition
apples 1934
Leguminosae 279
mangoes 1222
metabolism
*Asclepias tuberosa* 6788
aubergines 6715
cucumbers 5723
peas 7690, 8805
physiology, peas 3456, 4930
responses
peas 5808
tomatoes 5887
translocation
mangoes 2556
peas 4930
glyphosate, responses, sugarcane 5341-5342
growth inhibitors
composition
*Acer negundo* 1048
*Cryptoporus volvatus* 3073
*Lilium longiflorum* 411

**Growth regulators** *cont.*
growth inhibitors *cont.*
composition *cont.*
*Oenanthe javanica* 7812
*Phalaenopsis* 6836
metabolism
grapes 1397, 5609
satsumas 3145
growth promoters
composition, *Acer ginnala* 4426
metabolism, satsumas 3145
growth retardants, tissue culture, *Asparagus* 1517
humic acids, responses, tomatoes 4950
hydroxybenzyladenosine
responses
*Gerbera* 2270
poinsettias 2270
hydroxycarvacryl trimethylammonium chloride
responses
lettuces 878
*Paulownia tomentosa* 3647
tissue culture
*Artemisia annua* 548
*Asparagus* 1517
IAA
absorption, strawberries 146
application
*Mentha* 9070
okras 7706
composition
mangoes 1222
peas 7659
tomatoes 6749
*Vicia faba* 8790
determination
cherries 7287
fruit crops 1252
peaches 6496
metabolism
carrots 5930
hazelnuts 8526
peaches 4730
strawberries 146
physiology
cucumbers 7689
peas 2877, 4929-4930, 4932, 7689, 8828
*Phaseolus vulgaris* 918
*Spathiphyllum wallisii* 444
strawberries 148
tomatoes 2169
*Vicia faba* 8798
responses
*Actinidia* 7336
*Alnus glutinosa* 4429
avocados 2463
*Capsicum* 7719
*Cephaelis ipecacuanha* 8043
cocoa 9325
*Costus speciosus* 8048
*Cucurbita pepo* 4900, 7613
*Dieffenbachia maculata* 5058
*Dracaena bruantii* 5059
*Forsythia* 5092
grapes 2758
*Mentha* 9070
okras 7706
oranges 1804
*Papaver somniferum* 4509
peas 3457, 3459, 4268, 4931-4932, 7688
*Phaseolus vulgaris* 2861, 4909
*Picrorhiza kurroa* 6974
plums 116
*Polianthes tuberosa* 6822
*Rauvolfia serpentina* 2423
roses 3634
satsumas 3839
*Streptocarpus nobilis* 2219
temperate fruits 1327
tomatoes 5877, 6751
*Vicia faba* 2868
watermelons 7611
woody plants 6069
tissue culture
*Aconitum carmichaelii* 6169
*Albizia lebbek* 6172
*Antirrhinum* 3546
apples 3636, 3953

**Growth regulators** *cont.*
IAA *cont.*
tissue culture *cont.*
*Armoracia rusticana* 3653
*Asclepias curassavica* 9120
aubergines 1524
cabbages 1450
*Camellia* 3622
*Capsicum* 2885
carrots 5930
*Catharanthus roseus* 560
cherries 89, 5484
Chinese cabbages 228
chrysanthemums 3546, 4355
*Cinchona ledgeriana* 1116
*Coronilla varia* 5181
*Corydalis cava* 2371
*Cyclamen persicum* 408
*Cymbidium* 3608
*Duboisia myoporoides* 2382
*Euphorbia hirta* 4493
ferns 3591
*Fuchsia* 4433
*Galanthus elwesii* 3575
garlic 2088, 5632
*Gerbera* 5992
*Glehnia littoralis* 3085
*Hedera helix* 7926
*Hyssopus officinalis* 5119
*Impatiens walleriana* 2216-2217
*Iris pumila* 4373
lemons 1806
*Mirabilis jalapa* 3025
*Nephrolepis exaltata* 3598
ornamental bulbs 5028
*Papaver somniferum* 6214
pawpaws 1224
pears 806
peas 7664
*Rauvolfia serpentina* 8100
*Rheum palmatum* × *Rheum coreanum* 3798
roses 2992, 3636, 4420
*Senecio hybridus* 3562, 7853
*Sideritis angustifolia* 9205
*Solanum quitoense* 1822
strawberries 5556
*Tabernaemontana* 630
*Trachyspermum ammi* 6886
*Valeriana wallichii* 4528
translocation
*Cucurbita pepo* 901
lettuces 7521
peas 4930
strawberries 146
tomatoes 1541, 2169
tulips 5040
IBA
responses
*Aegle marmelos* 5357
*Alnus glutinosa* 4429
apples 5442
*Artemisia dracunculus* 4443
*Atropa belladonna* 2348
avocados 2463, 5250, 6240
Bignoniaceae 2281
*Boehmeria nivea* 7991
carrots 4976
cherries 2656
chestnuts 3999
*Citrus limettioides* 8171
*Costus speciosus* 8048
*Dieffenbachia maculata* 5058
*Dracaena bruantii* 5059
*Ficus retusa* 5089-5091
*Forsythia* 5092
grapes 152-153, 6543, 7381, 7383-7384
guavas 5307
hazelnuts 790
*Hevea* 8315
*Hibiscus rosa-sinensis* 3000
*Hippophae rhamnoides* 6534
kiwifruits 124
limes 7019
*Magnolia* 1038
mangoes 9352
olives 8215-8217, 9286
peaches 5490, 8537
pears 4743, 7311
peas 4931

**Growth regulators** *cont.*
IBA *cont.*
responses *cont.*
pecans 4749, 6501-6502
*Phaseolus vulgaris* 2861
*Piper nigrum* 6125
plants 1258
plums 116, 4020
pomegranates 7051
*Pyrus pyrifolia* 8560
*Quercus* 492
*Rauvolfia serpentina* 2423
*Rhododendron* 3631
*Rhododendron obtusum* 4418
roses 2991, 7932
*Simmondsia chinensis* 8150
*Stevia rebaudiana* 8162
strawberries 1373
temperate fruits 1327
tulips 4377
*Vaccinium* 2031
woody plants 2982
*Zamia pumila* 1663
tissue culture
*Actinidia arguta* 125
*Adiantum capillus-veneris* 3593
*Albizia lebbek* 6172
apples 58, 1938, 4675-4676, 7225
bananas 9309
cabbages 1450
*Catharanthus roseus* 560
cherries 89, 5484
chestnuts 2666
Chinese cabbages 228
*Cinchona ledgeriana* 1116
cocoa 685
*Crocus sativus* 1665
*Cyrtomium falcatum* 3595
*Duboisia myoporoides* 2382
*Elettaria cardamomum* 7955
*Ficus lyrata* 440
garlic 1408
*Glehnia littoralis* 3085
hyacinths 6028
*Hyssopus officinalis* 5119
*Iris pumila* 4373
kiwifruits 7337
mangosteens 9410
olives 4559, 9287
ornamental bulbs 5028
pawpaws 1224, 5327, 6319
pears 2004
*Persea schiedeana* 5251
*Petunia* 5999
*Petunia alpicola* 5998
plums × *Prunus spinosa* 4021
*Prunus* 6485
*Prunus tenella* 4439
*Pyrus* 2690
*Rauvolfia serpentina* 8100
roses 4419-4421
*Smilax zeylanica* 2438
*Ziziphus sativa* 5352
imazapyr, responses, lawns and turf 7888
imazethapyr, responses, lawns and turf 7888
2iP
composition
*Begonia cheimantha* 8971
mangoes 8293
determination, *Phaseolus vulgaris* 7642
tissue culture
*Camellia* 3621
carrots 7804
*Elaeis* 8297
*Ficus lyrata* 440
olives 4559
*Vaccinium corymbosum* 8606
*Ziziphus sativa* 5352, 7108
isopentenyladenosine
composition, *Begonia cheimantha* 8971
determination, *Phaseolus vulgaris* 7642
itaconic acid
absorption, horticultural crops 6410
translocation, horticultural crops 6410

**Growth regulators** *cont.*
Ivin, responses, tomatoes 962
jasmonic acid
composition
grapes 3344
peas 8827
*Vicia faba* 1495
responses, peas 8827
kinetin
composition, *Paeonia lactiflora* 402
determination, *Phaseolus vulgaris* 7642
responses
apples 8470-8471
apricots 8521
*Capsicum* 7719
carnations 5985
*Cucurbita pepo* 1467, 1483
grapes 6574
*Litchi* 3154, 7035
medicinal plants 9099
oranges 1804
pawpaws 8307
peas 1510, 2145, 4932
*Pelargonium* 2210
*Picrorhiza kurroa* 6974
plums 8588
*Polianthes tuberosa* 6822
*Rauvolfia serpentina* 2423
*Thevetia peruviana* 3651
tomatoes 5877, 7791
watermelons 1479
tissue culture
*Aconitum carmichaelii* 6169
*Albizia lebbek* 6172
*Angelica sinensis* 544
*Anisodus acutangulus* 545
*Antirrhinum* 3546
*Armoracia rusticana* 3653
*Asclepias curassavica* 9120
bananas 6285, 9309
cabbages 1450, 5695
*Camellia* 3621
*Camellia japonica* 6078
*Capsicum* 2885
*Catharanthus roseus* 560
cherries 788
Chinese cabbages 228
chrysanthemums 3546, 4355
*Cordyline fruticosa* 3422
*Corydalis cava* 2371
*Crocus sativus* 1665, 3656
*Cyrtomium falcatum* 3595
ferns 3591
*Ferocactus acanthodes* 439
*Ficus lyrata* 440
*Fuchsia* 4433
*Galanthus elwesii* 3575
garlic 2088, 5632
*Gasteria croucheri* 1738
*Gladiolus* 3568
*Iris pumila* 4373
longans 6267
*Lycium chinense* 4437
*Mirabilis jalapa* 3025
*Nephrolepis exaltata* 3597-3598
olives 9287
ornamental bulbs 5028
*Papaver somniferum* 4508, 6214
*Peltophorum pterocarpum* 3648
*Persea schiedeana* 5251
*Rauvolfia serpentina* 3105
*Rheum palmatum* × *Rheum coreanum* 3798
*Ruta graveolens* 5220
sapodillas 1852
*Smilax zeylanica* 2438
*Solanum laciniatum* 3807
*Solanum quitoense* 1822
*Solanum xanthocarpum* 3809
*Stangeria eriopus* 2292
strawberries 4767
*Symphytum officinale* 2443
*Tabernaemontana* 630
tea 6078
*Trachyspermum ammi* 6886
*Vaccinium corymbosum* 8606
*Valeriana wallichii* 4528
woody plants 3616
*Ziziphus sativa* 5352, 7108

**Growth regulators** *cont.*
lactones
composition
essential oil plants 9382
medicinal plants 9382
malformin, physiology, mangoes 8292
mefluidide
injuries, lawns and turf 6823
responses
apples 2642
lawns and turf 1614, 5050, 6043, 6823
MH
injuries, lawns and turf 6823
physiology, *Tradescantia* 4365
responses
*Aster* 6785
*Calendula officinalis* 6785
lawns and turf 6823
medicinal plants 9099
onions 7486-7488, 7491, 8690, 8692
*Rauvolfia serpentina* 2423
morphactins
responses
*Phaseolus vulgaris* 2861
plums 8584
myoinositol
tissue culture
lettuces 221
*Magnolia* 3627
NAA
absorption, tomatoes 4969
application
apples 2640, 3245, 3258
tomatoes 5917
injuries
chrysanthemums 381
*Rhododendron obtusum* 4418
tomatoes 6751
physiology
*Adhatoda vasica* 9111
peas 8828
responses
*Actinidia* 7336
*Aegle marmelos* 5357
*Alnus glutinosa* 4429
apples 1958, 2641-2642, 3245, 3258, 6456
apricots 86
*Artemisia dracunculus* 4443
avocados 5250
Bignoniaceae 2281
*Capsicum* 8861
carnations 5975
cashews 8243
cauliflowers 7549
*Cephaelis ipecacuanha* 8043
chestnuts 3999
*Citrus limettioides* 8171
*Costus speciosus* 8048
*Cymbidium* 454
*Forsythia* 5092
*Gladiolus* 3567
grapes 153, 2074, 2758, 6543, 7410, 7435, 7440, 8652
guavas 4584, 5307
hazelnuts 790
*Hedera helix* 7925
*Hibiscus rosa-sinensis* 3000
kiwifruits 124
lemons 3124, 4543
limes 7019
*Litchi* 5287, 7036
*Magnolia* 1038
onions 7491, 8690
oranges 5280
peaches 5490
*Phaseolus vulgaris* 2861, 5767
*Picrorhiza kurroa* 6974
pineapples 6324
plants 1258
*Polianthes tuberosa* 6822
*Rauvolfia serpentina* 2423
*Rosa damascena* 2318
rough lemons 3832
satsumas 3839
*Simmondsia chinensis* 8140, 8150
*Stevia rebaudiana* 8162
strawberries 147, 8623

**Growth regulators** *cont.*
NAA *cont.*
responses *cont.*
temperate fruits 1327
tomatoes 5917-5918, 6751
*Vicia faba* 8790
*Ziziphus mauritiana* 5355
tissue culture
*Actinidia arguta* 125
*Adiantum capillus-veneris* 3593
*Albizia lebbek* 6172
*Amaranthus* 5017
*Angelica sinensis* 544
*Anthurium scherzerianum* 3555
*Antirrhinum* 3546
apples 4675, 5443, 7226
*Artemisia dracunculus* 2299, 4443
*Asparagus* 947
aubergines 1524
bananas 9309
cabbages 1450, 5681
*Camellia* 3621
*Capsicum* 2885
carnations 2203, 5001, 5966
cherries 89
chestnuts 2666
chrysanthemums 3546, 4355, 7836
*Citrus* 2517
cocoa 8248-8249
*Codonopsis lanceolata* 3560
*Coronilla varia* 5181
*Corydalis cava* 2371
*Corydalis remota* 4486
*Crocus sativus* 1665
*Cyclamen persicum* 408, 4369
*Cymbidium kanran* 6058
*Cyrtomium falcatum* 3595
*Cyrtopodium* 9016
*Cytisus* 7942
dates 658-659
ferns 3591
*Ferocactus acanthodes* 439
*Ficus lyrata* 440
*Ficus religiosa* 1650
figs 1982
*Fuchsia* 4433
*Galanthus elwesii* 3575
garlic 1408, 5632
*Gasteria croucheri* 1738
*Gladiolus* 3568
*Glehnia littoralis* 3085
grapes 843
*Hedera helix* 7926
*Hyoscyamus niger* 3770
*Kalanchoe daigremontiana* 1618
kiwifruits 7337
*Leucojum aestivum* 416
*Lilium speciosum* 3570
*Magnolia* 3627
*Mirabilis jalapa* 3025
olives 4559, 9287
*Panax pseudoginseng* 8084
*Panax quinquefolius* 8088
pawpaws 1224, 6319
pears 806
peas 7664
*Peltophorum pterocarpum* 3648
*Petunia alpicola* 5998
*Platycodon grandiflorus* 3560
pomegranates 3163, 6276
*Prunus tenella* 4439
*Pyrus* 2690
*Rauvolfia serpentina* 3105, 8100
*Rheum palmatum* × *Rheum coreanum* 3798
*Rosa* 6096
roses 4420
*Ruta graveolens* 5220
*Saintpaulia* 1003
*Sideritis angustifolia* 9205
*Smilax zeylanica* 2438
*Solanum quitoense* 1822
*Solanum xanthocarpum* 3809
*Stephania cepharantha* 6989
*Symphytum officinale* 2443
tea 6351
*Thalictrum* 3115
*Trachyspermum ammi* 6886
*Vicia faba* 7647

**Growth regulators** *cont.*
NAA *cont.*
tissue culture *cont.*
*Ziziphus sativa* 5352
translocation, strawberries 831
NAAM
application, apples 3258
responses
apples 3258-3259, 4697-4698, 6457
olives 2541
pears 2693
naphthol, responses, chestnuts 3999
naphthoxyacetic acid
injuries, tomatoes 6751
responses
mangoes 9359
olives 2541
pears 3284
satsumas 3839
tomatoes 320, 326, 348, 6751, 6753
naphthylacetates, responses, apples 6456
naptalam, physiology, tomatoes 1541
nicotinamide, responses, carnations 5975
nicotinic acid, responses, *Rhododendron* 3631
nitroguaiacol
responses
*Phaseolus vulgaris* 4229
*Ziziphus mauritiana* 5356
nitrophenolate
responses
*Phaseolus vulgaris* 4229
*Ziziphus mauritiana* 5356
norbornadiene
responses
apples 3263
avocados 3263
*Petunia* 3553
paclobutrazol
application
apples 1300, 4682, 5454
*Camellia williamsii* 6080
cherries 785
cucumbers 5723
*Gladiolus* 5032
grapes 2068
mangoes 8286
nectarines 1383
pears 6498, 7313
pecans 5516, 6503
*Pilea cadierei* 5062
stone fruits 5494
tulips 5038
injuries
*Pilea cadierei* 5062
tulips 5038-5039
metabolism, peaches 4737
physiology, celery 8931
residues, strawberries 830
responses
almonds 3234
apples 761, 767-768, 1300, 1942-1943, 2626, 3246, 3256-3257, 4680-4682, 5453-5454, 6453, 7233, 8598
apricots 3234
*Asclepias tuberosa* 6788
avocados 2471
*Baphia nitida* 9043
bedding plants 8963
black currants 8598
*Camellia williamsii* 6080
*Capsicum* 2150
celery 2935
cherries 768, 4720-4721
chrysanthemums 2207, 4356, 6776-6777
cucumbers 1469, 5723
*Epipremnum pinnatum* 4396
*Exacum affine* 4356
foliage plants 3589
*Gladiolus* 3567, 5032
grapes 2068, 4809, 7410
horticultural crops 7156
lawns and turf 1614
mangoes 8286

**Growth regulators** *cont.*
paclobutrazol *cont.*
responses *cont.*
melons 5733
nectarines 748, 1383
olives 2541
*Paulownia tomentosa* 3647
peaches 103, 748-749, 1336, 1997, 3279, 4733, 4735, 6495
pears 105, 3283, 4744, 6498, 7313-7314
pecans 112, 5516, 6503
*Pelargonium* 8959
*Pelargonium hortorum* 5014
*Phaseolus vulgaris* 5759, 7623
*Rhododendron obtusum* 4418
roses 9042
rough lemons 3832
*Stephanotis* 3650
stone fruits 5494
strawberries 830, 2734, 4780, 4784, 8598
*Syngonium podophyllum* 6055
*Trachelium caeruleum* 6018
tulips 3573, 5038-5039
*Verbena rigida* 6022
tissue culture
*Aechmea fasciata* 1616
*Asparagus* 1517
*Prunus* 6485
translocation
grapes 4808
peaches 4737
PBA
application, roses 2993
responses
carnations 5974
plants 1258
roses 9042
*Syngonium podophyllum* 445
pentefenzol, responses, okras 8841
phenolic compounds
composition
*Acer ginnala* 4426
*Pharbitis purpurea* 7843
phloroglucinol, tissue culture, apples 4676
phthalimides, responses, carnations 5975
picloram, tissue culture, *Ziziphus sativa* 7108
polyamines
biosynthesis
Jerusalem artichokes 206
*Senecio vulgaris* 8108
metabolism
apples 7265
Jerusalem artichokes 7508
peas 1512
plants 1265
responses
*Catharanthus roseus* 5149
pears 8562
peas 2878
tissue culture
apples 5443
Jerusalem artichokes 7508
*Sideritis angustifolia* 9205
polyvinylpyrrolidone, responses, chestnuts 3999
potassium naphthenate
responses
*Rauvolfia serpentina* 4518
*Trichosanthes cucumerina* 4191
PPG-1721
responses
*Phaseolus vulgaris* 7572
radishes 7572
propyl butylphenoxyacetate
responses
apples 1941, 6438
cherries 4721
propyzamide
injuries, lawns and turf 6823
responses, lawns and turf 6823
reviews 1906
temperate fruits 3230
salicylic acid, responses, onions 8692

**Growth regulators** *cont.*
Siapton
responses
almonds 3234
apricots 3234
steroids
responses
cucumbers 8829
peas 8829
succinic acid
responses
onions 8690
tulips 5037
Sulpham, responses, tomatoes 2160
2,4,5-T
absorption
horticultural crops 4658
sour oranges 4654
responses
cherries 2664
*Rauvolfia serpentina* 2423
satsumas 3839
terpenoids
composition
essential oil plants 9382
medicinal plants 9382
tetcyclacis, responses, *Paulownia tomentosa* 3647
thidiazuron
physiology, apples 769
responses, apples 2637
tissue culture, horticultural crops 740, 1897, 1909
thiourea
responses
apples 8470-8471
peaches 801
tomatoes 4949
TIBA
physiology, tomatoes 1541
responses
apples 3254
plums 8584-8585
*Rauvolfia serpentina* 2423
*Tanacetum cinerariifolium* 9094
tissue culture
cocoa 685
*Lilium speciosum* 3570
*Senecio hybridus* 7853
triacontanol
responses
lettuces 2103
plums 8586
tea 2570-2571
triadimefon, responses, *Phaseolus vulgaris* 8781
triapenthenol
responses
chrysanthemums 4356, 6776
*Exacum affine* 4356
triazoles, responses, temperate fruits 8448
uniconazole
metabolism, apples 6409
responses
apples 6409, 6453
*Asclepias tuberosa* 6788
beetroots 7493
chrysanthemums 2207, 4356, 6777
*Exacum affine* 4356
*Forsythia spectabilis* 1051
horticultural crops 7156
*Phaseolus vulgaris* 6409, 7624
woody plants 6409
translocation, apples 6409
urea
injuries, stone fruits 5498
responses, stone fruits 5498
zeatin
composition
*Begonia cheimantha* 8971
*Dioscorea floribunda* 5187
mangoes 8293
determination
*Cucurbita maxima* 900
*Phaseolus vulgaris* 7642
metabolism
*Phaseolus* 907
radishes 1460
physiology, *Phaseolus vulgaris* 918

**Growth regulators** *cont.*
zeatin *cont.*
responses
*Capsicum* 6704
peas 7688
tissue culture
aubergines 1524
cherries 788, 7283
*Galanthus elwesii* 3575
kiwifruits 7337
*Nelumbo lutea* 7890
*Petunia alpicola* 5998
*Rhododendron* 2273
*Tabernaemontana* 630
*Vaccinium corymbosum* 8606
woody plants 3616
zeatin riboside
composition
*Begonia cheimantha* 8971
*Dioscorea floribunda* 5187
tomatoes 6749
determination
*Cucurbita maxima* 900
*Phaseolus vulgaris* 7642
metabolism, radishes 1460
tissue culture, *Cinchona ledgeriana* 1116
**Growth retardation**
cultural methods, fruit crops 7129
fungicides, apples 6453
growth regulators
apples 1942-1943, 3246, 3257, 4680-4682, 6409, 6453, 7233, 8472
*Baphia nitida* 9043
*Camellia williamsii* 6080
*Capsicum* 2150
cherries 785, 4720-4721
chrysanthemums 2207, 4356
cucumbers 5723
*Epipremnum pinnatum* 4396
*Exacum affine* 4356
*Forsythia spectabilis* 1051
fruit crops 7129
*Gladiolus* 5032
grapes 849, 8648
*Hibiscus rosa-sinensis* 488
horticultural crops 7156
lawns and turf 421, 7888
lettuces 878
*Lilium longiflorum* 409
mangoes 8286
nectarines 1383
okras 8841
peaches 103, 749, 1997, 3279, 4735
pears 105, 3283, 4744, 7314
pecans 112, 5516, 6503
*Pelargonium hortorum* 5014
*Phaseolus vulgaris* 6409
*Rhododendron obtusum* 4418
rough lemons 3832
*Stephanotis* 3650
stone fruits 5494
strawberries 4780
*Syngonium podophyllum* 2261
temperate fruits 748
tomatoes 343
tulips 3573
woody plants 6409
***Guaiacum officinale***, plant, composition 3765
**Guaianolides**
characterization
*Ambrosia confertiflora* 9084
*Artemisia anomala* 549
composition
*Artemisia afra* 5111
*Otanthus maritimus* 5209
*Saussurea candicans* 5223
**Guam**, *Capsicum*, cultivars 7712
**Guanosine phosphates**, metabolism, biochemistry, lettuces 5674
**Guatemala**, medicinal plants, surveys 2330, 2333
***Guatteria gaumeri***, plant, composition 3087
***Guatteria schomburgkiana***, leaves, composition 4495
**Guavas**
cultivars
biochemistry 8282

**Guavas** *cont.*
cultivars *cont.*
nutrition 8279
yields 8278
cultural methods, Venezuela 3177
cuttings 5307
defoliation, responses 8281
diseases, wilts 4583
disorders, decline 7077, 8279, 9347-9348
flowers
composition 697
initiation
defoliation 8281
growth regulators 4584
nutrition 4584
fruits
development
biochemistry 698
seasonal variation 5308, 8281
quality, seasonal variation 8282
ripening
biochemistry 5311, 9350
physiology 9349
harvesting
harvesting date
assessment 9349
pruning 9345
intercropping, mangoes 8285
leaves, composition 9346, 9350
nutrients, requirements, analysis 4582
nutrition
calcium 5310
nitrogen 4583, 5308, 7077, 9346
phosphorus 5308, 7077, 9346
potassium 5308, 7077, 9346
surveys, India 5309
trace elements 8280
zinc 4583
parasitic plants, *Phoradendron undulatum* 6307
plant, composition 8279
planting, spacing 3177
production, Australia 7139
products, timber 2984
pruning, seasons 9345
reports, Colombia 3213
roots, development, assessment 9348
shoots
development
growth regulators 4584
nutrition 4584
soil amendments 5310
storage, treatment 2555
yields
diseases 9347
seasonal variation 5308, 8278
***Guignardia bidwellii,*** grapes 1391, 5405
***Guilielma*** *(see also Bactris)*
**Gums**
composition, *Commiphora wightii* 565
exudation, mangoes 702
***Guzmania,*** cultural methods, pot plants 369
***Gymnadenia,*** seeds, germination, culture media 3609
***Gymnema sylvestre,*** leaves, composition 2388, 9108
***Gymnocalycium multiflorum,*** plant, morphology 441
***Gymnocladus dioica,*** shade, measurement 461
***Gymnosporangium,*** apples 6445
***Gynaikothrips ficorum, Ficus retusa*** 4387
***Gynandropsis gynandra,*** plant, composition 6199
***Gynostemma pentaphyllum,*** plant, composition 8074
***Gypsophila,*** cut flowers, production, cultural methods 3536
***Gypsophila paniculata***
cut flowers
handling 3557
production, protected cultivation 6012
**Gypsum**
utilization
fertilizers
oranges 6254
woody plants 7916
**Gypsum** *cont.*
utilization *cont.*
growing media
mushrooms 362, 4989, 7818
pot plants 8942
soil amendments
cauliflowers 5686
guavas 5310
oranges 6254
**Haemagglutinins**
characterization
Amaryllidaceae 8968
*Solieria robusta* 9208
***Haemanthus katherinae***
fruits, composition 7876
roots, cytology 3427
***Halenia elliptica,*** plant, composition 1136
***Halimium halimifolium,*** seeds, dormancy, physiology 5093
***Hamamelis virginiana,*** plant, composition 8004
***Hancornia speciosa,*** reports, France 8383
**Handling**
energy conservation, lettuces 5676
equipment
sugarcane 5347
walnuts 5526
injuries
apples 780, 3982
*Capsicum* 1522
carrots 8929
cherries 1324
feijoas 7034
fruit crops 1325
horticultural crops 7197-7198, 8443-8444
tomatoes 2174
techniques
aubergines 8846
avocados 2498
*Capsicum* 4293
container grown plants 3941
*Digitalis lanata* 1126
grapefruits 3841
horticultural crops 5413
kiwifruits 3300
lettuces 2822
medicinal plants 5158
okras 8846
peaches 3282
pecans 4750
persimmons 3863
pot plants 3941
sugarcane 3192, 5346
tea 1874
tomatoes 3506, 4974, 8916
***Hansfordia pulvinata,*** control, of *Fulvia fulva,* tomatoes 1537
***Haplopappus gracilis,*** tissue culture, biochemistry 6868
***Haplophyllum acutifolium,*** plant, composition 4496
***Haplophyllum buxbaumii,*** plant, composition 1137
***Haplophyllum obtusifolium,*** roots, composition 8075
***Haplophyllum perforatum,*** plant, composition 3766, 6957
***Haplophyllum tuberculatum,*** plant, composition 1739, 3040
***Haplothrips ceylonicus,*** apples 8507
**Harvesting**
desiccants, onions 866
economics
cherries 1978
raspberries 1364
*Simmondsia chinensis* 9238
sugarcane 5343
equipment
apples 76
fruit crops 3939
*Hevea* 9378
pears 76
temperate fruits 5420
frequency
*Asparagus* 3467
cucumbers 3394
*Ocimum gratissimum* 9078
raspberries 3306
tea 3202
**Harvesting** *cont.*
harvesting date
assessment
*Anethum graveolens* 2294, 7966
*Anethum sowa* 3670
apples 74, 1960, 3970, 4702, 7269, 7271, 8516
*Asparagus* 3468
avocados 2495-2496, 2507, 8167
*Borago officinalis* 2350
chicory 2819
coffee 7076
*Coriandrum sativum* 7966
*Costus speciosus* 2372
*Crataegus* 3744
*Cucurbita maxima* 246
grapes 2781-2783, 3337
guavas 9349
hops 7993
mangoes 1840
*Mentha piperita* 3679, 9077
*Myrica rubra* 9301
olives 8221
peaches 8556
pears 1350
pecans 3287
*Pimpinella anisum* 7966
pineapples 2563
plums 2012, 8587, 8589
pome fruits 5474
*Rauvolfia tetraphylla* 6222
*Salvia officinalis* 7966
*Solanum aculeatissimum* 8109
sugarcane 1231
tea 3901
*Thymus vulgaris* 7966
tomatoes 7793
watermelons 3407
cultivars, Brussels sprouts 1444
forecasting
apples 1962
bananas 1825, 3869
lettuces 6618
olives 671, 673
mulching, grapes 5587
physiology, cabbages 7562
protected cultivation
cucumbers 5722
melons 5715-5716
peaches 5493, 8541
raspberries 8602
red currants 8602
pruning, guavas 9345
spacing, kohlrabi 226
injuries
apples 77, 1963
*Capsicum* 7729
cherries 1323, 5485-5486, 6477, 8523
chicory 6611
cucumbers 8764
fruit crops 2607, 8522
horticultural crops 7197-7198
nut crops 8522
*Pyrus pyrifolia* 5515
tomatoes 4327
seasons
broccoli 7535
cauliflowers 7543
*Ocimum gratissimum* 9078
pineapples 6325
techniques
assessment
apples 3969
aubergines 8846
cauliflowers 4166
feijoas 7034
grapes 8655
*Hevea* 8321, 9378
*Laurus nobilis* 1061
okras 8846
oranges 8202
*Simmondsia chinensis* 8137
sugarcane 2568-2569, 5343
tea 3203, 3903, 5350, 7106-7107
tomatoes 353
walnuts 8592
mechanical harvesting
apples 75, 77-78, 1303, 1963, 4703
blackberries 4036

**Harvesting** *cont.*
techniques *cont.*
mechanical harvesting *cont.*
boysenberries 2029
broccoli 6621
brussels sprouts 1453
cabbages 2824, 8735
*Capsicum* 3484, 4293, 7729
carrots 8929
cherries 1320, 1323, 2654, 5485-5486, 6477, 8523
chicory 6611
*Citrus* 4547-4548
coffee 695
cucumbers 8764
essential oil plants 6860
fruit crops 2607, 7195, 7213, 8438, 8522
*Gentiana lutea* 6953
grapes 160, 174, 2784, 4091-4092, 7405, 8655-8656
hops 3021
horticultural crops 41
medicinal plants 6860
melons 4973
nut crops 8522
oil palms 9370
olives 670, 1817, 3159, 7049
onions 4118, 7489
oranges 3147
peaches 2000
peas 5834
*Phaseolus vulgaris* 4232-4233, 5769
radishes 2110
raspberries 1364, 3306
*Simmondsia chinensis* 8121, 8138-8139, 9238
small fruits 2024, 2705
spinach 2811
strawberries 3317, 5552
sugarcane 5343, 8343
tea 3202
temperate fruits 2610
tomatoes 352, 354, 2898, 4327, 4973, 8873, 8914-8915
vegetables 183
watermelons 2115
once over harvesting
apples 3969
broccoli 6621
*Capsicum* 291
pome fruits 5474
work studies
apples 3242
*Capsicum* 3484
cucumbers 8763
tomatoes 8914
***Haworthia,*** tissue culture, taxonomy 2253
**Hazelnuts**
cultivars
assessment, Czechoslovakia 1326
biochemistry 4002
characteristics, Hungary 1917
cuttings, treatment, growth regulators 790
diseases
*Pseudomonas syringae* pv. *avellanae* 6480
*Xanthomonas campestris* pv. *corylina* 6481
flowers, development, cultivars 6482
fruits, development, cultivars 6482
leaves
composition 7290
development, physiology 8526
nutrients, requirements, analysis 7290
nutrition
nitrogen 7291
phosphorus 7291
potassium 7291
nuts, composition 4002
pests, *Quadraspidiotus ostreaeformis* 8527
pollen, viability, tests 6483
pollination, research 7292
production, USSR 5381
reports
Cyprus 731
German Federal Republic 732
**Hazelnuts** *cont.*
seeds
dormancy, biochemistry 8525
germination, tests 8524
storage, temperature 8524
shoots, development, defoliation 4424
utilization, shelterbelts 100
**Heat** (*see also* Temperature)
injuries
chrysanthemums 1563
*Citrus* 4538
cucumbers 3401
*Dracaena deremensis* 436
hyacinths 8975
*Ixora coccinea* 3643
pawpaws 703
tomatoes 2174
production
Araceae 5949
Nymphaceae 5949
protection, irrigation, grapes 7434
resistance
assessment, tomatoes 2896
breeding, chrysanthemums 1563
cultivars
cherries 815
plums 815
treatment
avocados 643
chrysanthemums 3544
cucumbers 3401
*Cucurbita pepo* 1481
grapes 3343
hyacinths 8975
peas 6693
tomatoes 4970
***Hebeloma crustuliniforme,*** mycorrhizas, almonds × peaches 1994
***Hedera,*** cultivars, winter hardiness 466
***Hedera helix***
as ground cover plants
assessment 7823
cultural methods 6004
chromosomes 1617
cultivars
characteristics, German Federal Republic 468
diseases 7924
identification 467
pests 7924
cultural methods, pot plants 3624, 6048, 7891, 8996
cuttings
rooting, seasonal variation 7925
treatment 7925
growing media, composition 6048, 8942
herbicides, injuries 988
irrigation, water, composition 372
leaves
development, light 9036
morphology 1617
photosynthesis, light 9036
plant, composition 469
protected cultivation
light 5942
systems, greenhouses 6083
roots, development, tissue culture 7926
shade, responses 6083
shoots, development, orientation 3625
tissue culture, organogenesis 7926
***Hedera nepalensis,*** inflorescences, composition 6958
***Hedera taurica,*** leaves, composition 9158
***Hedycarya angustifolia,*** plant, composition 9159
***Hedychium spicatum,*** rhizomes, composition 1138
***Helenium amarum,*** plant, composition 1082, 5196
***Helenium microcephalum,*** plant, composition 5196
***Helianthus*** (*see also* Jerusalem artichokes)
***Helianthus annuus,*** cultivars, cut flowers 6793
***Helianthus maximiliani,*** tissue culture, metabolites, production 8000
***Helichrysum***
cut flowers, production, cultural methods 3536
herbicides, injuries 6072
weed control 6072
***Helichrysum italicum,*** cultural methods, USSR 1587
***Helichrysum nitens,*** plant, composition 6150
***Helicobasidium mompa,*** apples 6446
***Heliconia,*** cut flowers, vase life 8950
***Helicotylenchus,*** garlic 7465
***Helicotylenchus multicinctus,*** bananas 6289
***Helicoverpa armigera***
okras 5844
tomatoes 1539, 4945, 8865
***Helicoverpa assulta, Capsicum*** 8859
***Helicoverpa zea,*** tomatoes 324, 5913
***Helinus integrifolius,*** plant, composition 585
***Heliothrips haemorrhoidalis,*** avocados 2485, 7013
***Heliotropium curassavicum,*** roots, composition 5197
***Heliotropium ellipticum,*** plant, composition 2389
***Heliotropium europaeum,*** plant extracts, application, tomatoes 3698
***Heliotropium hirsutissimum,*** plant, composition 1139
***Helix aspersa, Citrus*** 9253
***Helleborus orientalis,*** nectar 3620
***Helleborus vesicarius,*** cultural methods, UK 398
***Helmholtzia glaberrima,*** cultural methods, Australia 5069
***Helminthosporium, Tagetes erecta*** 1592
***Helminthosporium allii,*** garlic 7713
***Hemidesmus indicus,*** roots, composition 1704
***Hemileia vastatrix,*** coffee 1833, 1835-1837, 5306, 6291, 6302-6303
***Hemsleya panacis-scandens,*** rhizomes, composition 9160
**Henequen** (*see Agave fourcroydes*)
***Heracleum,*** plant, composition 4455
***Heracleum brunonis,*** roots, composition 3767, 9161
***Heracleum ponticum,*** plant, composition 4455
***Heracleum sphondylium***
fruits, composition 2390
roots, composition 2390
***Heracleum stevenii,*** plant, composition 4455
***Heracleum thomsoni,*** plant, composition 3088
**Herbicides**
acetochlor, tolerance, coffee 4579
acifluorfen
injuries
*Phaseolus vulgaris* 2128
tomatoes 5883, 5885
aclonifen, injuries, carrots 2175
acrolein, responses, Apocynaceae 4425
alachlor
injuries
*Capsicum* 2151
*Chamomilla recutita* 5114
*Phaseolus vulgaris* 5754
strawberries 6528
tomatoes 5883
tolerance, ornamental plants 3536
ametryn
injuries, sugarcane 1860
tolerance, sugarcane 8325
atrazine
absorption
horticultural crops 4658
sour oranges 4654
injuries, lawns and turf 3579, 3582
physiology
peas 3443
spinach 3443
responses, plums 8580
tolerance, woody plants 6070
aziprotryne, responses, cabbages 176
benfluralin
injuries, lawns and turf 6042
tolerance, lawns and turf 2244, 3580
bensulide
injuries, lawns and turf 6042
responses, melons 7594
bentazone, injuries, *Vicia faba* 6681

**Herbicides** *cont.*
bromacil
injuries
grapes 742
pears 742
butachlor, injuries, *Chamomilla recutita* 5114
captafol, residues, grapes 8636
captan, residues, grapes 8636
carbetamide, residues, vegetables 8666
chloramben
injuries
*Chamomilla recutita* 5114
cucumbers 5720
tomatoes 5883
tolerance, Jerusalem artichokes 5661
chlorbromuron, residues, carrots 2788
chlorimuron, tolerance, woody plants 6071
chlorodimethylaminophenyl pyridazinone, physiology, *Narcissus poeticus* 8983
chloroxuron
tolerance
*Gerbera* 383
ornamental plants 3536
chlorpropham, residues, vegetables 8666
chlorthal-dimethyl
tolerance
ornamental plants 3536
woody plants 6070
cinmethylin, responses, melons 7594
clopyralid
injuries
black currants 5537
oil palms 6314
2,4-D
injuries
oil palms 6314
tomatoes 5884
residues, lawns and turf 6041
desmetryn, injuries, cabbages 4163
dicamba, injuries, grapes 7397
dichlobenil
determination, temperate fruits 8426
residues, temperate fruits 8426
dichlofluanid, residues, grapes 8636
dicofol, injuries, onions 8688
dinoseb
responses
apples 772-773
peaches 1293
pecans 1352
diphenamid
injuries, strawberries 6528
tolerance, woody plants 6070
diquat, responses, cabbages 4882
diuron
application, lawns and turf 3579
injuries
peaches 742
sugarcane 1860
physiology
peas 3443
spinach 3443
responses, plums 8580
EPTC, tolerance, Jerusalem artichokes 5661
ethalfluralin, tolerance, Jerusalem artichokes 5661
fenarimol, injuries, lawns and turf 7887
fenoxaprop
injuries, lawns and turf 3581
tolerance, lawns and turf 6040
fluazifop
application, onions 7476
injuries
lawns and turf 3581
*Rhododendron* 6088
*Rhododendron obtusum* 1637
responses, tomatoes 176
fluchloralin, injuries, melons 249
flurochloridone
injuries
*Capsicum* 177
carrots 2175, 5923
parsnips 5923
*Petroselinum crispum* 5923

**Herbicides** *cont.*
flurochloridone *cont.*
injuries *cont.*
*Phaseolus vulgaris* 177
fluroxypyr
injuries
oil palms 6314
tomatoes 8882
folpet, residues, grapes 8636
fomesafen
injuries, woody plants 6071, 9030
tolerance
peas 5793
*Phaseolus vulgaris* 5793
*Vicia faba* 5793
glufosinate
application
cocoa 7066
woody plants 7936
injuries
cocoa 7066
woody plants 7936
glyphosate
application
*Hevea* 3886
ornamental plants 6770
rhubarb 5846
watermelons 7592
injuries
grapes 7398
*Lonicera japonica* 6770
oil palms 6314
responses
*Asparagus* 7705
grapes 854, 7398
tolerance
*Capsicum* 5882
tomatoes 5882
translocation, strawberries 6529
haloxyfop, injuries, lawns and turf 3581
hexazinone, injuries, *Vaccinium angustifolium* 8608
imazaquin
injuries
cucumbers 7595
woody plants 6071, 9030
tolerance, plums 5520
imidazolinones, injuries, lawns and turf 3577
ioxynil, injuries, onions 5639
iprodione, residues, grapes 8636
isoxaben
injuries
horticultural crops 988
peas 6687
tolerance
peas 6687
raspberries 5561
strawberries 5561
lenacil
injuries
*Gladiolus* 1600
*Phaseolus vulgaris* 1424
strawberries 8616
tolerance, *Gerbera* 383
linuron
application, carrots 7476
injuries, carrots 2175
residues, *Amelanchier alnifolia* 5527
responses, carrots 4333
MCPA, injuries, grapes 7397
metamitron
injuries
strawberries 8616
tulips 2232
metazachlor, tolerance, woody plants 6070
methabenzthiazuron, injuries, *Vicia faba* 5772
metham
injuries, tomatoes 322
responses, tomatoes 322
metolachlor
injuries
strawberries 6528
tomatoes 5883
tolerance, *Gerbera* 383
metoxuron, injuries, onions 1411

**Herbicides** *cont.*
metribuzin
injuries
Jerusalem artichokes 5661
lawns and turf 3579
melons 249, 7593
onions 7474
tomatoes 1532
napropamide
injuries
*Sorbus aria* 6070
strawberries 4776, 6528
tomatoes 5883
residues, black currants 5537
tolerance
black currants 5537
*Gerbera* 383
ornamental plants 3536
raspberries 5561
strawberries 5561
woody plants 6070
naptalam
physiology, *Cucurbita pepo* 901
responses, melons 7594
neburon, injuries, carrots 2175
nitrofen
injuries
cabbages 2830
vegetables 882
responses, Apocynaceae 4425
tolerance, *Brassica* 231
norflurazon
injuries, peaches 742
physiology, *Narcissus poeticus* 8983
responses, *Liriodendron tulipifera* 5097
oryzalin
tolerance
lawns and turf 2244
ornamental plants 3536
oxadiazon
injuries
black currants 5537
container grown plants 3618, 6072
grapes 4791
lawns and turf 1611, 6042
vegetables 4822
residues, grapes 8636
tolerance
lawns and turf 3580
ornamental plants 3536
woody plants 6070
oxyfluorfen
application
onions 7476
woody plants 3619
injuries
black currants 5537
*Capsicum* 4939
woody plants 3619
responses
*Chamomilla recutita* 5114
tomatoes 176
tolerance, ornamental plants 3536
paraquat, injuries, onions 8688
pendimethalin
application, woody plants 3619
injuries
cabbages 1447
carrots 2175
grapes 4080
residues, black currants 5537
tolerance
black currants 5537
Jerusalem artichokes 5661
plums 5520
pentachlorophenol
absorption
horticultural crops 4658
sour oranges 4654
phenmedipham, injuries, spinach 7495-7496
picloram, injuries, oil palms 6314
prodiamine, tolerance, lawns and turf 3580
prometryn
responses
cabbages 176
carrots 4333

**Herbicides** *cont.*
- propachlor
  - injuries
    - cabbages 2830, 4163
    - vegetables 882
  - tolerance, *Brassica* 231
- propazine, responses, carrots 4333
- propyzamide
  - application, lawns and turf 3579
  - residues, vegetables 8666
- prosulfalin, injuries, lawns and turf 1611
- pyridate
  - injuries, *Papaver somniferum* 3789
  - residues, black currants 5537
  - tolerance, black currants 5537
- quizalofop, injuries, lawns and turf 3581
- sethoxydim
  - application, carrots 7476
  - injuries
    - *Juniperus horizontalis* 465
    - *Juniperus sabina* 465
    - lawns and turf 3582
    - *Rhododendron obtusum* 1637
  - tolerance, lawns and turf 3581
- simazine
  - injuries
    - container grown plants 6072
    - grapes 5583, 7398
    - peaches 742
    - *Ribes* 4758
    - *Spiraea* 1630
    - strawberries 8616
    - *Vicia faba* 6681
  - residues
    - black currants 5537
    - grapes 8636
  - responses
    - Apocynaceae 4425
    - grapes 7398
    - plums 8579
  - tolerance
    - black currants 5537
    - woody plants 6070
- sulfometuron, injuries, lawns and turf 3579
- TCA, responses, carrots 4333
- tebuthiuron
  - injuries
    - olives 742
    - plums 742
- terbacil
  - injuries
    - peaches 742
    - strawberries 6528
  - responses, plums 8579
- terbumeton, residues, grapes 8636
- terbuthylazine
  - injuries, peas 6687
  - residues, grapes 8636
  - tolerance, peas 6687
- terbutryn
  - application, lawns and turf 3579
  - injuries, melons 249
  - tolerance
    - peas 5793
    - *Phaseolus vulgaris* 5793
    - *Vicia faba* 5793
- tri-allate, injuries, spinach 7496
- tricalcium arsenate, injuries, lawns and turf 1021
- triclopyr, injuries, oil palms 6314
- trifluralin
  - injuries
    - raspberries 5561
    - strawberries 5561
  - responses, carrots 4333
  - tolerance
    - *Cucurbita* 7596
    - Jerusalem artichokes 5661
- vinclozolin, residues, grapes 8636

***Hericium erinaceus***
- composition 2185
- cultivars, assessment, China 3525

***Hernandia ovigera,*** seeds, composition 2391

***Herniaria serphylloides,*** as ground cover plants, assessment 7823

***Herpetospermum caudigerum,*** seeds, composition 8076

***Heterodera,*** garlic 7465

***Heteromorpha trifoliata,*** leaves, composition 3768

***Heteronychus sublaevis,*** sugarcane 7103

***Heterorhabditis***
- control
  - of insects, ornamental plants 8949
  - of *Otiorhynchus, Aralia* 8998

***Heterotheca,*** chromosomes 7825

***Heterotropa*** *(see Asarum)*

***Hevea***
- budding, cultural methods 8321
- buds, dormancy, growth regulators 8315
- climate, requirements 709
- cultivars
  - assessment
    - Brazil 3183
    - Indonesia 8310
  - diseases 1850
  - nutrition 8316
  - yields 1227
- diseases
  - *Ceratocystis fimbriata* 7095
  - *Microcyclus ulei* 7096-7097
    - reviews 8318
  - *Phytophthora palmivora* 1850
    - reviews 1849
- drought, responses 8312
- economics, Malaysia 8309
- fungicides, application 7095
- herbicides, application 3886
- intercropping
  - bananas 8313
  - cocoa 6296
  - Leguminosae 8313
- leaves, composition 8316
- nutrients
  - requirements
    - analysis 8317
    - assessment 1848
- nutrition
  - calcium 6281
  - manganese 1228
  - nitrogen 6281, 8316
  - phosphorus 710, 1227, 6281, 8316
  - potassium 6281, 8316
- photosynthesis, measurement 8320
- plant
  - composition 1782, 1851, 7098
  - development
    - cytology 1230
    - phenology 1229, 8309
    - tapping 711
  - histology 8319, 8323
  - vascular system 1229
- planting, depth 3184
- planting stock
  - production, containers 1226
  - types, assessment 8311
- products, paper 8323
- reports
  - France 8383
  - Malaysia 1891
- soil types 1848
- tapping 8321-8322, 9378
- tissue culture, propagation, techniques 3867
- weed control 3886-3888, 8314, 9377
- wounds, responses 8322
- yields, correlation 8320

***Hexalobus monopetalus,*** plant, composition 9162

***Hibiscus*** *(see also* Okras)

***Hibiscus esculentus*** **yellow vein mosaic virus,** okras 4276

***Hibiscus rosa-sinensis***
- cultivars
  - pot plants 488
  - propagation 3000
- cultural methods
  - containers 1035
  - pot plants 369, 1651, 7946
- cuttings 3000
  - sources, etiolation 1256
- flowers
  - composition 9163
  - drop
    - silver thiosulphate 3001
    - temperature 3001
    - transport 7946

***Hibiscus rosa-sinensis*** *cont.*
- protected cultivation
  - cultural methods 488
  - light 5942
- reports, German Federal Republic 17
- winter hardiness, biochemistry 1652

***Hibiscus sabdariffa***
- flowers, composition 2330
- fruits, development, histology 2574
- plant, development, temperature 1784

***Hibiscus syriacus***
- cultivars, characteristics, USA 5094
- flowers, composition 1140
- grafting
  - seasons 6095
  - techniques, assessment 6095
- pollination, compatibility 5095
- seeds, composition 6899

***Hibiscus trionum,*** as weeds, onions 1412

***Hieracium,*** chromosomes 7825

**High density planting**
- cultivars
  - apricots 2649
  - peaches 1335
  - pears 2691
- cultural methods
  - apples 1946
  - meadow orchards, peaches 4733
  - peaches 793
- pruning
  - peaches 1335
  - pears 2691
- rootstocks
  - apples 1944
  - apricots 2649
  - *Citrus,* reviews 3828
  - pears 2691
- systems
  - apples 6430, 7227
  - peaches 2674
- training, peaches 102, 798, 7302

***Hilleria latifolia,*** plant, composition 6154

***Hippeastrum***
- flowers, initiation, water relations 2234
- genetics 7878

***Hippeastrum vittatum,*** pollen, tubes, development 4349

***Hippophae rhamnoides***
- books 1878, 1881
- buds, development, physiology 4065
- cultivars
  - assessment, USSR 832, 4064, 4786, 5570, 6536, 7371-7372
  - biochemistry 2740-2741, 2744, 5569
  - growth 3321, 4787
  - propagation 2047
  - winter hardiness 2742
- cuttings 2746
  - treatment 6534
  - types 2047, 7371
- flowers, biology 2745
- frost
  - resistance
    - cultivars 4065
    - physiology 3253
- fruits
  - biochemistry, cultivars 2744
  - composition 534, 2045, 5569, 6533, 7142
  - development, biochemistry 2740
  - quality, pollination 2747
  - ripening, biochemistry 2741
  - set, pollination 2745
- geographical distribution 6533
- harvesting, techniques, mechanical harvesting 7213
- leaves
  - anatomy 5568
  - composition 3320
- nutrition
  - nitrogen 2046
  - phosphorus 2046
  - potassium 2046
- propagation, techniques 3321
- research 6898
- reviews 6533
- seeds, treatment 6534
- shoots, development, seasonal variation 4785
- soil water, responses 2044
- utilization, erosion control 6535

***Hippophae rhamnoides*** *cont.*
winter hardiness, assessment 2743
***Hirsutella thompsonii,*** control, of *Aceria guerreronis,* coconuts 9338
***Holarrhena floribunda,*** tissue culture, biochemistry 3769
***Holarrhena pubescens***
plant, composition 1736, 5198
seeds, composition 1704
**Hollies** (*see Ilex)*
***Homalomena,*** roots, anatomy 1024
**Hong Kong,** antibacterial plants, surveys 6160
***Hopea,*** products, resins 1093
***Hoplocampa minuta,*** plums 8582
***Hoplolaimus pararobustus,*** bananas 8236
**Hops**
cones
biochemistry, nutrition 3691, 3693
composition 1683
maturity, assessment 7993
cultivars
assessment
Belgium 1078
USSR 3020
cultural methods, economics 3693
diseases
tobacco necrosis virus 4464
*Verticillium albo-atrum* 3697
viruses 4782
economics, Poland 7992
flooding 520
harvesting, techniques, mechanical harvesting 3021
herbicides, responses 6887
insecticides
pest resistance 6147
residues 4651
irrigation, requirements, determination 521
nutrition 6889
copper 3696
magnesium 6888
manures 3695
nitrogen 3691-3694, 6888
phosphorus 3695, 6888
zinc 3696, 6888
pesticides, application 6890
pests
Acari 8379
*Otiorhynchus ligustici* 523
*Phorodon humuli* 522, 1079, 6147
*Tetranychus urticae* 522
*Xiphinema diversicaudatum* 4782
plant residues, processing 524
reports, German Federal Republic 14
sets, treatment 3690
weed control 4463
**Horseradish** (*see Armoracia rusticana)*
**Horticultural crops**
Argentina, bibliographies 7137
conferences, Africa 5374
cultivars, nomenclature 5383
cultural methods
Africa, books 6367
agroforestry 1250
Malawi 4621
mechanization 2608, 4973
drying, equipment 7193
frost
injuries 7151
protection
heaters 8439
irrigation 7155
growing media
characteristics 7178
composition 7177
production 7176, 7178
temperature 1251
water relations 8417
handling
injuries 7197-7198, 8443-8444
techniques 5413
harvesting, injuries 7197-7198
irrigation, water, salinity 2590
mulching, materials 6385, 8396
mutants, induction, tissue culture 1911
new journals, Italy 4607
nutrition
books 2580
calcium 5400
**Horticultural crops** *cont.*
nutrition *cont.*
potassium, reviews 8421
organic culture, Hungary, books 2579
packing
containers 8442
materials 8440-8441
pesticides, injuries, reviews 5403
pests
control, Brazil 5401
*Nipaecoccus viridis* 4650
Tephritidae, conferences 4614
plant
composition 36
reviews 3935
physiology 5410
planting, mechanical methods 28
planting stock, identification 7148
pollution, chlorine 7154
production, energy conservation 2608
protected cultivation
carbon dioxide 7159
heating systems 6401, 7163
pests 7181, 7189
systems
greenhouses 6390
plastic film 4620, 4639, 8401
plastic tunnels 6386
reports
Australia 11, 8385
German Federal Republic 7133
Irish Republic 3212
research, India, conferences 5371
reviews, Mauritius 1895
seedlings
planting
mechanical methods 3925
reviews 8391
production
containers, reviews 8391
growing media 4997
seeds
quality
assessment 4622
reviews 8390
treatment 26
soil types 7175
soilless culture
growing media 8397
systems
hydroponics 6383
nutrient film techniques, reviews 6382
storage
packing 8440
physiology, reviews 2502
systems, assessment 5413
treatment 3227
tissue culture
conferences 3210
organogenesis, reviews 4629
propagation
micropropagation 4624, 4628
reviews 4626, 5029
techniques 2589
reviews 4625
responses
growth regulators, reviews 1908-1910
mutagens, reviews 1911
statistical methods 7143
techniques, reviews 5384
transport, containers 8442
weed control 5379, 8393
windbreaks 30
zero gravity, conferences 5378
***Hovenia dulcis,*** leaves, composition 1141
***Howeia forsteriana,*** soilless culture, systems, hydroponics 2969
***Hoya carnosa***
flowers, fragrance, diurnal variation 6108-6109
insecticides, tolerance 7892
photosynthesis, CAM pathway 7896
**Huckleberries** (*see Vaccinium)*
**Humidity**
responses
apples 6461, 8512
atemoyas 4563
*Capsicum* 4938
cherries 3997
**Humidity** *cont.*
responses *cont.*
cocoa 1827
cucumbers 4188, 5724
greenhouse crops 2940
*Macadamia* 663
*Nephrolepis exaltata* 6054
ornamental plants 5943
subtropical crops 9303
tomatoes 5888, 6750
tropical crops 9303
***Humulus*** (*see also* Hops)
**Hungary**
*Agaricus macrosporoides,* cultural methods 4342
almonds, cultivars 1917
apples, cultivars 54, 753
apricots, cultivars 1968
*Brassica juncea,* cultivars 3654
*Capsicum,* cultivars 4283
cherries, cultivars 782
chestnuts, cultivars 2014
cucumbers, cultivars 3392, 3394, 8742
currants, cultivars 2023
*Dracocephalum moldavica,* cultural methods 2311
*Gerbera,* cultivars 3548
hazelnuts, cultivars 1917
horticultural crops, organic culture, books 2579
medicinal plants, surveys 3710
melons, cultivars 8743
onions, cultivars 190
peaches, cultivars 791
peas, cultivars 7656
*Pleurotus florida,* hybrids 363
plums, cultivars 2011, 7324
radishes, cultivars 887
raspberries, cultivars 1369
*Sorbus,* cultivars 496
strawberries, cultivars 1369
walnuts, cultivars 2014
***Huttonaea,*** seeds, germination, biochemistry 447
***Hyacinthella,*** cultivars, assessment, Czechoslovakia 2221
**Hyacinths**
bactericides, injuries 6027
breeding, diseases 2220, 8974
bulbs
colour, biochemistry 462
composition 2948
production, cultural methods 5035, 6027
storage, temperature 8975
treatment 8975
cultivars
assessment, Czechoslovakia 2221
characteristics, Netherlands 8974
cultural methods, mechanization 6023
diseases, *Xanthomonas campestris* pv. *hyacinthi* 6027, 8975
growth regulators
ABA, composition 6028
auxins, composition 6028
planting, spacing 6023
roots
cytology 2227, 6809
physiology 6809
sap, composition 2948
tissue culture
explants, sources 6028
propagation, micropropagation 5028, 6028
***Hyadaphis coriandri, Coriandrum sativum*** 1664
***Hyadaphis tataricae, Lonicera tatarica*** 7947
***Hydrangea***
cultivars, photoperiodism 7923
cultural methods, pot plants 7923
leaves, abnormalities 6845
nutrition 6845
tissue culture, propagation, meristems 3616
***Hydrangea macrophylla***
cultural methods, containers 1035
leaves, composition 1634, 8431
***Hydrastis canadensis,*** plant, composition 3702

**Hydrocarbons**
characterization, limes 4553
composition
aubergines 315
*Carum carvi* 2307
*Cydonia sinensis* 4024
kiwifruits 3301
*Kochia scoparia* 6962
*Monodora myristica* 7967
nectarines 8558
*Nepeta hindostana* 6209
*Origanum dictamnus* 3783
tomatoes 4326
*Xylopia aethiopica* 7967
*Zingiber officinale* 507
*Ziziphora taurica* 7990
metabolism
biochemistry, *Phaseolus vulgaris* 6678
seasonal variation, *Thymus carnosus* 519
toxicity
*Syzygium cumini* 3224
tamarinds 3224
**Hydrogen fluoride**
toxicity
grapes 3331
*Syzygium cumini* 3224
tamarinds 3224
**Hydrogen peroxide,** responses, *Costus speciosus* 8048
**Hydrogen sulphide,** toxicity, spinach 2803, 6593
**Hydrophilic polymers**
utilization
growing media, pot plants 9002-9003
propagation, horticultural crops 26
soil amendments
horticultural crops 4997
radishes 5699
*Rosa multiflora* 2277
***Hymenaea courbaril,*** plant, composition 3706
***Hymenia fascialis***
*Impatiens balsamina* 9039
*Jasminum multiflorum* 9039
*Jasminum sambac* 9039
**Hymenoptera**
control, of Lepidoptera, walnuts 4026
pollinators, apples 7261
***Hyoscyamus niger***
cultural methods
India 9099
Romania 3030
nutrition, calcium 1690
tissue culture, metabolites, production 3748, 3770
***Hypericum,*** plant, composition 1740, 4497, 5153
***Hypericum aucherii,*** plant, composition 9164
***Hypericum calycinum***
as ground cover plants, cultural methods 6004
cultural methods, containers 1630
diseases, *Melampsora hypericorum* 6110
plant, composition 1740
***Hypericum hircinum,*** plant, composition 586
***Hypericum hirsutum,*** plant, composition 1740, 4497, 6959
***Hypericum japonicum,*** plant, composition 1741
***Hypericum lanuginosum,*** plant, composition 6200
***Hypericum maculatum,*** plant, composition 1740
***Hypericum montbretii,*** plant, composition 1740
***Hypericum origanifolium,*** plant, composition 6200
***Hypericum perfoliatum,*** plant, composition 586
***Hypericum perforatum,*** plant, composition 586, 1740, 6167
***Hypericum revolutum,*** plant, composition 1686
***Hypericum salsugineum,*** plant, composition 6200
***Hypericum tetrapterum,*** plant, composition 1740
***Hyphaene thebaica,*** ecology, Djibouti 8160
***Hyphantria cunea,*** persimmons 7050
***Hypocyrta radicans*** *(see Nematanthus gregarius)*
***Hypoxis nyasica,*** rhizomes, composition 587
***Hyptis pectinata***
leaves, composition 5118
plant, composition 1086, 1142
***Hyssopus officinalis***
research 6898
Italy 6897
tissue culture, propagation, micropropagation 5119
***Hystrix patula,*** landscaping, assessment 2200
***Ichnocarpus frutescens,*** plant, composition 5199
***Idioscopus clypealis,*** mangoes 700, 7084
***Idioscopus niveosparsus,*** mangoes 700, 7084
***Ilex***
plant, composition, reviews 2392
planting stock, production, containers 2265, 5070
***Ilex aquifolium***
fruits, composition 6844
soilless culture, growing media 2983
***Ilex crenata***
as ground cover plants, assessment 7823
pests, *Thysanopyga intractata* 6843
weed control 3618
***Ilex opaca,*** planting stock, production, containers 2266
***Ilex paraguariensis***
leaves, composition 1742
plant, composition 1692
***Ilex vomitoria***
grading, techniques 5079
nutrition
calcium 7916
magnesium 7916
nitrogen 2283
planting stock, production, containers 460
***Illicium anisatum,*** plant, composition 5200
***Illicium majus,*** fruits, composition 4498
***Illicium verum,*** plant, composition 3032
***Impatiens***
breeding
genetics 1588
interspecific hybridization 399
cultural methods, pot plants 6794
diseases, *Rhizoctonia solani* 6794
pollen, viability, tests 399
reports, German Federal Republic 3216
***Impatiens auricoma*** × ***Impatiens walleriana,*** characteristics 1588
***Impatiens balsamina***
flowers, initiation, growth regulators 400
pests, *Hymenia fascialis* 9039
pinching, systems, assessment 2215
plant, development, organogenesis 3558
***Impatiens flaccida*** × ***Impatiens repens,*** characteristics 1588
***Impatiens flaccida*** × ***Impatiens walleriana,*** characteristics 1588
***Impatiens uguenensis*** × ***Impatiens flaccida,*** characteristics 1588
***Impatiens walleriana***
irrigation, water, composition 372
shoots, development, temperature 392
tissue culture, responses, growth regulators 2216-2217
***Imperata cylindrica***
as weeds
*Cola nitida* 2554
*Hevea* 3886
**India**
agriculture, new journals 6365
almonds, cultivars 8452
apples
cultivars 8455-8456
cultural methods, books 3912
*Atropa belladonna,* cultural methods 9099
**India** *cont.*
bananas, cultivars 5293
*Borassus flabellifer,* conservation 6362
*Capsicum*
cultivars 290, 7710-7711, 8850-8852
pests, control 1520
carrots, cultivars 357
cashews, cultivars 9313
*Catharanthus roseus*
cultivars 9134
cultural methods 9099
*Cephaelis,* cultural methods 9136
*Cephaelis ipecacuanha,* cultural methods 9099
*Cinchona,* cultural methods 9136
*Cinchona ledgeriana,* cultural methods 9099
*Citrus,* rootstocks 9251
*Crocus sativus,* economics 1060
*Cucurbita moschata,* cultivars 5709
*Cuminum cyminum,* cultivars 9051
*Curcuma longa,* cultivars 9055-9056
cut flowers
economics, chrysanthemums 7840
marketing, chrysanthemums 7840
*Datura fastuosa,* cultural methods 9099
*Datura stramonium,* cultural methods 9099
*Gladiolus,* cultivars 2950
grapes, nutrition, surveys 7412
guavas, nutrition, surveys 5309
horticultural crops
pests, control 4649
research, conferences 5371
*Hyoscyamus niger,* cultural methods 9099
*Lagenaria siceraria,* cultivars 5709
*Litchi,* nutrition, surveys 8211
mangoes
cultivars 5312
economics 8283
nutrition, surveys 8290
pests
control 5317
integrated control 5318
medicinal plants, surveys 1087, 1691, 5157, 6151, 8007-8009, 9101, 9104
melons, economics 4893
*Momordica charantia,* cultivars 5709
mushrooms, economics 6765
new journals, plant science 3906
*Ocimum gratissimum,* cultural methods 9078
olives, cultivars 9284
onions
cultivars 8679
cultural methods 7485
peaches, cultivars 4005, 4728, 8531-8532
peas
cultivars 2871
diseases, control 1504
*Phaseolus vulgaris,* cultivars 260
*Pleurotus citrinopileatus,* cultural methods 7820
*Poncirus trifoliata,* cultivars 9251
*Pyrus pyrifolia,* pests, control 4747
*Rauvolfia serpentina,* cultural methods 9099
*Simarouba glauca,* cultural methods 1781
sugarcane
cultivars 6328
pests
control 8341
reviews 7103
temperate fruits, conferences 8370
tomatoes, economics 7735
*Trigonella foenum-graecum*
cultivars 9064
cultural methods 3011
walnuts, cultivars 8591
wild plants, surveys 5157, 5415
*Zingiber officinale,* cultural methods 9066
*Ziziphus mauritiana,* cultivars 9408
***Indigofera articulata***
leaves, composition 4449
seeds, treatment 6136

***Indigofera microcarpa,*** leaves, composition 6960
***Indigofera tinctoria,*** leaves, composition 4449
**Indoles**
characterization, *Gelsemium elegans* 3763
composition
*Brassica carinata* 5693
cauliflowers 4883
Cruciferae 8736
*Cucurbita maxima* 4192
metabolism
biochemistry, *Catharanthus roseus* 6179
tissue culture, *Rauvolfia serpentina* 5219
**Indonesia**
apples
cultivars 6377
cultural methods 774
production 6377
coconuts
cultivars 9334
hybrids 9334
*Curcuma longa,* cultivars 9053
*Hevea,* cultivars 8310
mangoes, cultivars 9358
medicinal plants, surveys 2326
*Psophocarpus tetragonolobus,* cultivars 4272
sugarcane, pests, surveys 6344
*Vanilla,* production 6133
**Industrial wastes**
utilization
fertilizers, sugarcane 714
growing media
greenhouse crops 4828
horticultural crops 1898
tomatoes 7752
vegetables 4828
soil amendments
peaches 4008
pecans 4015
vegetables 7453
soilless culture, lettuces 4140
**Inflorescences**
biochemistry, nutrition, hops 3691, 3693
colour, biochemistry, *Anthurium amnicola* 395
development
assessment, *Strelitzia reginae* 4363
breeding, *Gladiolus* 8972
growth regulators, tomatoes 5887
light, cauliflowers 3384
nutrition, broccoli 5688
physiology
cauliflowers 3384
poinsettias 6847
temperature, cauliflowers 3384
initiation
physiology, cauliflowers 3384
temperature, cauliflowers 2833, 3384
maturity, assessment, hops 7993
**Insect attractants**
sources
*Angelica archangelica* 4466
*Copaifera officinalis* 4466
*Cordia verbenacea* 4542
*Coriandrum sativum* 5317
*Cucurbita maxima* 4192
figs 3296
oranges 7030
walnuts 3296
**Insect repellents**
sources
*Azadirachta indica* 2323
*Cheiranthus cheiri* 1685
*Clausena anisata* 9088
*Erysimum allionii* 1685
*Erysimum scoparium* 1685
mandarins 7030
*Melia azedarach* 6894
*Senecio pendulus* 1083
**Insecticidal plants,** plant, composition 526
**Insecticidal properties**
*Ajuga remota* 3716
avocados 4535
**Insecticidal properties** *cont.*
*Azadirachta indica* 5142, 7733, 9085-9086
*Cassia senna* 7994
*Celastrus angulatus* 9087
*Celastrus glaucophyllus* 9087
*Citrus* 5283
coconuts 5304
*Croton aromaticus* 3022
*Croton laccifer* 5144
*Daphne odora* 3023
*Datura stramonium* 5140
*Elsholtzia pilosa* 9089
garlic 9086
*Hedychium spicatum* 1138
*Helenium amarum* 1082
lemons 5284
*Melia azedarach* 2519
*Minthostachys glabrescens* 5145
*Mirabilis jalapa* 5304
onions 9086
*Picrasma quassioides* 2324
*Piper nigrum* 5140, 9092
*Pterocaulon purpurascens* 1766
*Rhus typhina* 1660
*Senecio pendulus* 1083
*Tephrosia candida* 9095
*Tephrosia vogelii* 9096
*Tripterygium wilfordii* 2448
**Insecticides**
abamectin, residues, vegetables 4652
acephate
application, foliage plants 2971
pest resistance
hops 6147
ornamental plants 7830
aldicarb, residues, pecans 2008
aldoxicarb, application, pot plants 4387
aldrin, residues, medicinal plants 8010
aminocarb, residues, *Vaccinium* 4765
azinphos-methyl
application, apples 7239
persistence, apples 7249
pest resistance, apples 8501
bendiocarb
injuries, foliage plants 7892
tolerance, foliage plants 7892
benfuracarb, residues, horticultural crops 3934
carbaryl
residues
grapes 6310
mangoes 6310
okras 5867
tomatoes 8902
*Trichosanthes dioica* 8756
carbofuran
application, pot plants 4387
residues
aubergines 5867
horticultural crops 3934
translocation
*Ajuga reptans* 8800
*Vicia faba* 8800
cartap, pest resistance, Cruciferae 8732
chlordane, responses, sugarcane 7100
chlordimeform, application, coffee 8273
chlorpyrifos
application
bananas 7062
sugarcane 8342
injuries, *Begonia* 1596
residues, *Capsicum* 7724
cypermethrin
residues
cabbages 7554
*Phaseolus vulgaris* 4905
DDE, residues, horticultural crops 5402
*p,p'*-DDE, residues, medicinal plants 8010
residues, melons 6656
DDT, residues, horticultural crops 5402
*p,p'*-DDT, residues, medicinal plants 8010
residues, melons 6656
deltamethrin
pest resistance, hops 6147
residues
cabbages 7554
*Phaseolus vulgaris* 4905
**Insecticides** *cont.*
demeton-S-methyl, pest resistance, hops 6147
diazinon
application, bananas 7062
injuries, *Vaccinium corymbosum* 1368
residues
*Capsicum* 7724
*Phaseolus vulgaris* 4906
dichlorvos, residues, grapes 6310
dieldrin
application, bananas 7062
residues
horticultural crops 5402
medicinal plants 8010
melons 6656
dimethoate
pest resistance, ornamental plants 7830
residues, temperate fruits 4691
translocation
*Ajuga reptans* 8800
*Vicia faba* 8800
disulfoton, application, pot plants 4387
endosulfan
residues, *Phaseolus vulgaris* 4905-4906
responses, *Areca* 9306
endrin, residues, melons 6656
fenitrothion
application, raspberries 7351
pest resistance, coffee 9343
residues
okras 5845
peaches 8553
*Vaccinium* 4765
fenpropathrin, pest resistance, ornamental plants 7830
fenthion
residues
mangoes 6310
okras 5845
peaches 8553
fenvalerate
residues
cabbages 7554
grapes 6310
*Phaseolus vulgaris* 4905
flucythrinate, residues, horticultural crops 4651
fonofos, residues, onions 4116
β-HCH, residues, melons 6656
heptachlor, residues, onions 7481
heptachlor epoxide, residues, melons 6656
hydrogen cyanide, responses, kiwifruits 3300
lindane, residues, *Trichosanthes dioica* 8756
malathion
application, mangoes 700
residues
okras 5845
peaches 8553
methidathion, pest resistance, hops 6147
methomyl, pest resistance, hops 6147
methoxychlor, residues, medicinal plants 8010
methyl bromide
responses
kiwifruits 3300
stone fruits 4740
methyl parathion, residues, peaches 8553
monocrotophos
application, coffee 8273
residues
*Citrus* 6310
*Coriandrum sativum* 1664
grapes 5607, 6310
oranges 1799
*Phaseolus vulgaris* 4906
naphthalene, application, cauliflowers 8729
omethoate, pest resistance, hops 6147
organophosphorus compounds, pest resistance, Cruciferae 8732
oxamyl, pest resistance, ornamental plants 7830

**Insecticides** *cont.*
oxydemeton, pest resistance, hops 6147
parathion-methyl, residues, *Phaseolus vulgaris* 4906
pentachlorophenol
absorption
horticultural crops 4658
sour oranges 4654
permethrin
residues
cabbages 7554
*Phaseolus vulgaris* 4905-4906
tomatoes 7781
phosalone, residues, grapes 5607
phosmet, persistence, apples 7249
phosphamidon, residues, *Coriandrum sativum* 1664
pirimicarb, pest resistance, hops 6147
pirimiphos-methyl, residues, *Capsicum* 7724
propoxur, pest resistance, hops 6147
quinalphos
residues
cabbages 8733
*Citrus* 6310
grapes 6310
mangoes 6310
oranges 1799
*p,p'*-TDE, residues, medicinal plants 8010
triazophos, injuries, roses 8957
trichlorfon, residues, peaches 8553
**Integrated control**
Acari
greenhouse crops 7458
horticultural crops 8379
ornamental plants 7458
*Diatraea*, sugarcane 3891
diseases
apples, reviews 1949
greenhouse crops, conferences 2
pome fruits 6439
temperate fruits 8449
fungi, grapes 8642
*Fusarium*, peas 5804
*Heliothrips haemorrhoidalis*, avocados 2485
insects
apples 8496
tomatoes 5913
*Liriomyza bryoniae*, greenhouse crops 7189, 7456
*Liriomyza trifolii*
*Gerbera* 6779, 8958
greenhouse crops 7189
Noctuidae, greenhouse crops 7181
*Orgyia postica*, cocoa 9324
*Oxalis pes-caprae*, grapes 4078
*Panonychus ulmi*, apples 4689
pests
apples, reviews 1949
books 7114
greenhouse crops, conferences 2
horticultural crops 5401
kiwifruits 6512
pome fruits 6439
temperate fruits 8449
vegetables 178, 181
*Phytophthora cinnamomi*, avocados 7012
*Podosphaera leucotricha*, apples 1290
*Psila rosae*
carrots 8924
Umbelliferae 7801
*Rhizoctonia solani*, durians 5358
*Tetranychus urticae*
apples 4689
*Gerbera* 6779
greenhouse crops 7189, 7456
ornamental plants 7189
Tortricidae, grapes 7432
*Trialeurodes vaporariorum*
*Gerbera* 6779
greenhouse crops 5914, 7189, 7456
tomatoes 337, 1540
*Venturia inaequalis*, apples 1290
**Intercropping**
*Annona* 680
*Areca* 3012, 3875, 7055
*Areca catechu* 6294, 9329
*Asparagus* 8136
**Intercropping** *cont.*
*Atriplex hortensis* 4155
*Bactris gasipaes* 6295
bananas 686, 3875, 7055, 8313, 9310, 9319, 9322
beetroots 4155
*Beta vulgaris* var. *benghalensis* 4155
cabbages 4155
*Capsicum* 294, 704
cauliflowers 4155, 4954
*Citrullus colocynthis* 6646
cocoa 686, 3875, 5300, 6292, 6294-6296, 7055, 7065, 7068, 8252, 8260, 9319, 9322, 9329
coconuts 690, 3875-3876, 5300, 7068, 8260, 9335
coffee 3875, 5753
*Cola nitida* 7065
*Coriandrum sativum* 4155
*Curcuma longa* 9054
dates 2528
garlic 1156, 3355
guavas 8285
*Hevea* 6296, 8313
kohlrabi 4155
lawns and turf 8994
Leguminosae 4592
lettuces 4137, 4155
*Leucaena leucocephala* 9335
limes 2528
mangoes 2528, 8285
onions 4155
*Papaver somniferum* 1156
pawpaws 680, 3875
peaches 8285
*Phaseolus vulgaris* 1214, 4207, 5753
pineapples 704, 3875
*Piper* 3875
*Piper nigrum* 7055
pumpkins 5726
radishes 4155
*Rumex vesicarius* 4155
*Simmondsia chinensis* 8136
sugarcane 4207, 4592, 6332, 6334, 9385-9386
tomatoes 4137, 4954
*Trigonella foenum-graecum* 4155
tung 1214
*Vicia faba* 271
*Zingiber officinale* 3012
**Interstocks**
apples 57, 1285, 1935, 2625, 5441, 7217, 7219, 7223-7224
avocados 2465
cherries 1976
*Citrus limettioides* 5266
peaches 4732
pears 2003, 2689, 2691
***Inula brittanica***, plant, composition 6167
***Inula racemosa***
plant, composition 7979
roots, composition 9240
***Iostephane madrensis***, plant, composition 3032
***Iphigenia magnifica***, plant, composition 2328, 2386
***Iphigenia stellata***, plant, composition 2386
***Ipomoea*** *(see also Pharbitis; Quamoclit)*
***Ipomoea carnea***, plant, composition 9081
***Ipomoea orizabensis***, plant, composition 1143
***Ipomoea tiliacea***
as weeds
*Capsicum* 5882
tomatoes 5882
**Iraq**
antibacterial plants, surveys 6900
antifungal plants, surveys 6900
grapes, cultivars 150
***Iresine herbstii***, plant extracts, application, *Phaseolus vulgaris* 7996
**Iridaceae**, flowers, histology 8967
**Iridoids**
biosynthesis, *Rauvolfia serpentina* 1167
characterization
*Boschniakia rossica* 2351
*Citharexylum fruticosum* 3739
*Gardenia jasminoides* 1737
*Gentiana asclepiadea* 8073
*Ligustrum japonicum* 1744
*Nardostachys chinensis* 4505
**Iridoids** *cont.*
characterization *cont.*
*Nepeta cataria* 1068, 3780
*Nerium oleander* 1744
olives 7047
*Penstemon confertus* 603
*Scrophularia scopolii* 8105
*Valeriana* 8118
*Vitex rotundifolia* 4529
composition
*Allemanda schottii* 9115
*Centaurium erythraea* 3707
*Centranthus longiflorus* 1114
*Dodartia orientalis* 8054
*Genipa americana* 1672
*Gentiana punctata* 3707
*Gentianella bulgarica* 3707
*Penstemon hirsutus* 6969
*Randia ruiziana* 4517
*Teucrium* 6231
*Verbena brasiliensis* 634
*Wendlandia bicuspidata* 8119
***Iridomyrmex humilis***, oranges 1797
***Iris***
bulbs
development, temperature 6804
production
cultural methods 8978
tissue culture 8977
storage, temperature 6029
cultivars, assessment, Czechoslovakia 2221
cut flowers
handling 7863
production, Italy 3569
storage 7863
diseases, fungi 4366
nutrition, nitrogen 8978
planting, seasons 3569
protected cultivation, systems, greenhouses 3569
tissue culture, propagation, techniques 8977
***Iris bloudowii***, wild plants, utilization, ornamental plants 1601
***Iris ensata***, flowers, initiation, light 6810
***Iris germanica***, anaerobiosis 2952
***Iris halophila***, wild plants, utilization, ornamental plants 1601
***Iris kamaonensis***
mutants
induction
ethyl methane sulphonate 2228
gamma radiation 2228
***Iris laevigata***, wild plants, utilization, ornamental plants 1601
***Iris pallida***, cultural methods, mechanization 4476
***Iris potaninii***, wild plants, utilization, ornamental plants 1601
***Iris pseudacorus***
anaerobiosis 2952
pollen
tubes
development 4349
ultrastructure 6030
***Iris pumila***
flowers, colour, clones 8976
tissue culture, propagation, embryos 4373
***Iris ruthenica***, wild plants, utilization, ornamental plants 1601
***Iris setosa***, seeds, treatment 1016
***Iris sibirica***, tissue culture, culture media 4456
***Iris spuria***, rhizomes, composition 6961
**Irish Republic**, small fruits, cultural methods 4029
**Iron**
absorption
*Cucurbita maxima* 4899
dates 9278
grapes 851
kiwifruits 2021
passion fruits 674
pears 7422
peas 7670
*Phaseolus vulgaris* 910-911
*Pleurotus sajor-caju* 5938
strawberries 145, 8618
tomatoes 332, 3504

**Iron** *cont.*
absorption *cont.*
*Vaccinium macrocarpon* 4049
composition
*Amaranthus tristis* 3181
apples 6433
*Asparagus* 3468
*Auricularia polytricha* 364
avocados 5255
*Baccaurea sapida* 4604
bananas 682
*Boletus tropicus* 2190
*Bupleurum falcatum* 2353
*Capparis decidua* 1821
*Capsicum* 2888
carrots 357
cauliflowers 6624
cocoa 4576
coffee 7076
*Flacourtia jangomas* 4604
fruit crops 5414
fungi 1555, 2184
grapes 2081, 2785
guavas 5309
*Macadamia* 9283
mangoes 2556
melons 6650
oranges 6248
pawpaws 3181
peas 8813
*Suillus granulatus* 2190
tea 721
tomatoes 8887
watermelons 6650
*Ziziphus mauritiana* 8364
deficiency
apples 66, 3961, 5463
apricots 5482
cashews 3871
cauliflowers 5687
*Citrus* 1794
coffee 3878
foliage plants 4391
*Hydrangea* 6845
lemons 653
*Malus* 3961
mangoes 8288
pears 4012, 5482
peas 931, 935, 1502, 8813-8814
*Phaseolus vulgaris* 2129, 8774
tomatoes 333
*Wrightia religiosa* 9048
determination
greenhouse crops 328
*Mentha piperita* 2314
ornamental plants 2939
fertilizers
assessment
grapes 7425
horticultural crops 4997
lemons 653
mandarins 652
metabolism
aluminium, grapes 7413
biochemistry
lettuces 4145
*Phaseolus vulgaris* 2129
cadmium, cucumbers 6649
calcium, pawpaws 1842
copper, peas 8814
disorders, peaches 2677
flooding, pecans 7319
fruiting, *Litchi* 8212
growth, tomatoes 2913
lead, cucumbers 6649
nitrogen
*Amaranthus tristis* 7816
blackberries 128
spinach 4842
tomatoes 2908
*Vaccinium corymbosum* 2034
vegetables 861
nutrition
peaches 7303
*Peperomia obtusifolia* 3600
pistachios 7368
phosphorus, peas 8814
physiology, pineapples 707
ripening, boysenberries 131
salinity
grapes 6562

**Iron** *cont.*
metabolism *cont.*
salinity *cont.*
peaches 8549
seasonal variation
cherries 90
kiwifruits 5529
*Menyanthes trifoliata* 6206
tea 4599
soil aeration, apples 84
soil amendments, guavas 5310
tissue culture, pome fruits 1345
titanium, tomatoes 6734
nutrition
*Adiantum raddianum* 5055
broccoli 5857
celery 2178
cucumbers 4895
dates 1206
grapes 4797, 6561
lawns and turf 6824
*Macadamia* 7040
onions 7477
oranges 7023
pears 4012, 5509
radishes 5699
*Saponaria officinalis* 2430
strawberries 7368
sugarcane 3890
tea 1872
*Thymus capitatus* 6232
tomatoes 2910-2911, 7761
*Vaccinium* 4763
requirements
analysis
*Elettaria cardamomum* 7956
hazelnuts 7290
limes 9254
mangoes 8290
okras 3470
pears 4746
*Sechium edule* 3397
*Tilia platyphyllos* 3652
tomatoes 2907, 4967
translocation
peas 7670
*Phaseolus vulgaris* 268, 1488
**Irradiation**
gamma radiation
apples 6455
*Begonia hiemalis* 1013
*Bougainvillea* 2985-2986
carnations 5963
chrysanthemums 5005, 8952
cocoa 8249
cucumbers 8760
*Gerbera* 994
*Gladiolus* 7860
Jerusalem artichokes 7508
mandarins 8206
mangoes 3881
mushrooms 4991
onions 1418
oranges 3845
peas 6686
*Phaseolus vulgaris* 923, 8782
pomegranates 3162
raspberries 2028
roses 7931
tomatoes 4951, 8916
*Zingiber officinale* 507
ionizing radiation
horticultural crops 3227
tomatoes 6718
laser radiation, *Phaseolus vulgaris* 8778
neutron radiation
*Forsythia intermedia* 6106
peas 6686
X radiation
cabbages 3376
carnations 374
onions 1419
strawberries 2042
vegetables 7444
**Irregular bearing**
assessment, pistachios 1353
biochemistry, mandarins 1203
cultivars, oranges 5264
growth regulators, apples 1958

**Irregular bearing** *cont.*
irrigation
grapes 3337
olives 9291
nutrition
apples 5460
mandarins 1203
physiology
mangoes 6312
olives 7048, 8219-8220
pistachios 2009
quinces 4756
pruning, apples 7227
thinning
apples 1958, 7263
plums 6508
**Irrigation**
economics
fruit crops 7157
grapes 3332
equipment
*Citrus* 8178
fruit crops 3926
greenhouse crops 4823
oranges 3133
fertilizers
application
apples 5462, 6435, 7237, 8480
bananas 3167, 6287
*Capsicum* 304, 5856
cauliflowers 2827
*Cucurbita pepo* 2844
grapes 3336, 5586
*Litchi* 6263
melons 7602
olives 9294
oranges 6253
poinsettias 5076
pot plants 8970
strawberries 2737
temperate fruits, reviews 6416
tomatoes 331-332, 2906, 2912-2913, 5896, 5917-5918, 8883, 8892
frequency
*Capsicum* 295
cherries 7284
chrysanthemums 8953
*Codiaeum variegatum* 9000
cucumbers 4892
foliage plants 2252, 5052, 9005
grapes 1379-1380
*Hippeastrum* 2234
peaches 7284
*Pelargonium graveolens* 5130
*Phaseolus vulgaris* 2856
pineapples 705, 7092
*Simmondsia chinensis* 9225
sugarcane 4593, 6340
*Telfairia occidentalis* 3396
tomatoes 2904
fungicides
application
*Capsicum* 1521
grapes 5586
vegetables 8921
herbicides
application
tomatoes 8881
woody plants 3619
insecticides, application, coffee 8273
nematicides
application
coffee 8273
vegetables 8921
pesticides, application, grapes 5586
requirements
analysis, okras 287
determination
avocados 2469, 8163
bananas 6287
cabbages 8720
*Capsicum* 951, 2153, 3480, 8857
*Citrus* 3138
container grown plants 2268
cucumbers 4892, 5721
grapes 157, 5586, 6551, 7411
greenhouse crops 1260
hops 521
lawns and turf 5049
mandarins 3135, 8177, 9252

**Irrigation** *cont.*
requirements *cont.*
determination *cont.*
melons 8749
olives 7046, 9293
onions 4111, 4836, 6585
oranges 3137
peaches 8542
peas 5795-5796
*Phaseolus vulgaris* 2856
pineapples 1846
radishes 8737
*Simmondsia chinensis* 9229
strawberries 2733, 4779
sugarcane 5334, 6338, 9387
tea 8351
tomatoes 3492, 4958, 8891
*Vaccinium corymbosum* 135
vegetables 4823
*Vicia faba* 4914
woody plants 6074
responses
almonds 48, 5422
*Amsonia tabernaemontana* 3720
*Anethum graveolens* 7966
apples 1940, 3241, 4678, 6464, 7220, 7231, 7249, 7264
*Asparagus* 282, 7703
bananas 6287, 8238
black currants 5538, 6516
broccoli 230, 5685
cabbages 4162, 5685, 7545
*Capsicum* 295, 2152, 3483, 8857
cauliflowers 5685
cherries 7284
chrysanthemums 2207
*Citrus limettioides* 7022
cocoa 9318-9319, 9332
*Coriandrum sativum* 7966
cucumbers 7599
*Cuminum cyminum* 3006
*Digitalis lanata* 3750
*Euphorbia lathyris* 640
globe artichokes 7510
grapes 156, 168, 2063, 2765, 2773, 3337, 4793, 4804, 5586, 7434
horticultural crops 7155
*Jasminum volubile* 2988
lemons 5278
mangoes 6313
marrows 6647
medicinal plants 531
melons 8749
*Murraya paniculata* 2988
okras 285, 949, 4957
olives 3157, 9291-9292
onions 865
oranges 3131, 3134, 5269
*Parthenium argentatum* 7008
peaches 1339, 1992, 3278, 6488, 7284, 7300, 8543
peas 945
*Phaseolus vulgaris* 2857, 4912, 8772
*Pimpinella anisum* 7966
plums 3289
radishes 888
*Rhododendron* 7930
*Simmondsia chinensis* 7006, 8145, 9225, 9232, 9234
strawberries 144, 2040, 4770, 6532
sugarcane 1862, 2567, 2569, 6338, 9388
tea 3901, 4598, 6352
*Thymus capitatus* 518
tomatoes 2903, 3493, 4957, 5394, 6726, 7757, 7760
*Vicia faba* 8789
watermelons 4181
systems
apples 84, 1937, 7231
bananas 3166
broccoli 5685
cabbages 5685
*Capsicum* 8857
cauliflowers 5685
cherries 7284
*Citrus* 3139, 6249
clementines 3136
*Codiaeum* 434
cucumbers 4892

**Irrigation** *cont.*
systems *cont.*
*Cyclamen* 434
foliage plants 8997
grapes 3332, 5586
reviews 4081
greenhouse crops 6387, 8405
horticultural crops 3139
lawns and turf 2966
marrows 6647
melons 250
olives 9292
oranges 3133
peaches 3278, 7284
pot plants 3225
radishes 888
*Rhododendron* 7930
satsumas 1196
*Simmondsia chinensis* 9229
strawberries 2732
sugarcane 1861-1862, 6338, 9389
tea 6352, 6356
tomatoes 330, 2905, 4958, 5896, 7737, 7755, 8883
tropical fruits 680
water
composition
pot plants 372
vegetables 372
magnetism, watermelons 892
salinity
aubergines 1525
avocados 5256
dates 3152
grapes 158, 1379, 6563
horticultural crops 2590
lemons 647
melons 2164
ornamental plants 1562
*Rhododendron* 2989
strawberries 7366
tomatoes 323, 2164, 4318
*Vaccinium ashei* 2033
*Vicia faba* 8787-8788
sources
foliage plants 2969
fruit crops 3926
mangoes 6309
melons 2164
oranges 6248
tomatoes 2164
treatment, cabbages 4878
***Irvingia gabonensis,*** seeds, composition 6238
***Iryanthera laevis,*** fruits, composition 724
***Isatis indigotica,*** plant, composition 1144
**Isotopes,** composition, apples 64
**Israel**
cut flowers, production, carnations 5951
fruit crops, pests, control 5404
globe artichokes, cultivars 4130
medicinal plants, surveys 3031
tomatoes
diseases, control 5907
pests, control 5907
**Italy**
apples
cultivars 3236, 6425
diseases, control 5465
apricots, cultivars 1966, 4714
aubergines, cultivars 5864
carobs, production, reviews 6242
cauliflowers, cultivars 7534
celery, cultivars 5932
chicory, cultivars 2102, 5932
*Citrus*
diseases, control 5273
pests, control 5273
production, reviews 1191
*Crocus sativus,* research 6861-6862
Cucurbitaceae, diseases, control 5735
cut flowers, production, carnations 5951
foliage plants, diseases, control 7897
fruit crops, cultural methods 2587
grapes
cultivars 3323, 5572
diseases, control 5465
rootstocks 3326
greenhouse crops
cultural methods 6390
marketing 6390

**Italy** *cont.*
greenhouse crops *cont.*
pests
biological control 179
control 7456
horticultural crops, new journals 4607
Labiatae, production 6874
*Lavandula,* cultivars 6875
medicinal plants
cultural methods 4475-4476
research 6897
nut crops, cultural methods 2587
olives
cultivars 4558, 7044
cultural methods 7041-7042
onions, cultivars 2091
Orchidaceae, wild plants, surveys 3603
passion fruits, cultural methods, reviews 8222
peaches
cultivars 1988, 4004
cultural methods 8541
pears, cultural methods 2005-2006
planting stock, diseases, control 5627
raspberries
cultivars 4760, 5542
cultural methods 5541
*Salvia officinalis,* cultural methods 6878
temperate fruits, cultivars 45
tomatoes, cultivars 6717, 7736
*Tuber,* cultural methods 7822
tulips, cultural methods 1606
vegetables, diseases, control 5627
**Ivies** (*see Hedera*)
**Ivory Coast,** medicinal plants, surveys 1086
***Ixia,*** cut flowers, production, protected cultivation 2235
***Ixiolirion tataricum,*** plant, development, temperature 1609
***Ixora chinensis,*** cultural methods, containers 4412
***Ixora coccinea,*** roots, injuries, temperature 3643
***Jaborosa magellanica,*** plant, composition 1145
***Jacaranda mimosifolia,*** fruits, set, growth regulators 2281
***Jacaratia spinosa,*** seeds, germination, inhibitors 7112
**Jackfruits**
cultural methods, agroforestry 2546
diseases, *Rhizopus artocarpi* 4565
storage, quality, nutrition 7056
tissue culture, propagation, responses 6283
***Jacobiella facialis,*** aubergines 7733
***Jagera pseudorhus,*** cultural methods, Australia 5069
**Japan**
broccoli, cultivars 7535
*Camellia sasanqua,* wild plants, surveys 7921
chrysanthemums
breeding 1563
cultivars 7358
*Curcuma longa,* cultivars 9053
cut flowers
production
chrysanthemums 1577
*Gloriosa rothschildiana* 6821
fruit crops, pests, control 7180
grapes, cultivars 44
horticultural crops
cultural methods 20
pests, control 7179
mandarins, cultivars 2511
mycorrhizas, surveys 5398
onions, cultivars 189
peaches, cultivars 44, 2671
*Psophocarpus tetragonolobus,* cultivars 189, 4272, 7699
pummelos, cultivars 44
*Pyrus pyrifolia,* cultivars 44
strawberries, cultivars 7358
tea, cultivars 44, 8345
***Jasminum arborescens,*** flowers, initiation, growth regulators 6873
***Jasminum auriculatum***
breeding, selection 9037
cultivars, flowering 7980

***Jasminum auriculatum*** *cont.*
flowers, morphology 9037
yields, correlation 7980
***Jasminum grandiflorum***
cultural methods, experimental plots 5120
seedlings, production, cultural methods 9038
***Jasminum multiflorum***
flowers, development, growth regulators 7927
pests, *Hymenia fascialis* 9039
***Jasminum officinale,*** flowers, composition 3039
***Jasminum sambac***
leaves, composition 5121
pests, *Hymenia fascialis* 9039
***Jasminum volubile***
cultural methods, containers 4412
irrigation, responses 2988
***Jasonia camphorata,*** plant, composition 3676
***Jateorhiza palmata,*** roots, composition 588
***Jatropha curcas,*** plant, composition 1086
***Jatropha dioica,*** roots, composition 9165
***Jatropha gossypiifolia,*** fruits, composition 6148
**Jerusalem artichokes**
cultivars
characteristics, USSR 2814
diseases 2812, 2814
flowering 2813
cultural methods
mechanization 7507
Spain 7507
herbicides
injuries 5661
tolerance 5661
nutrition, nitrogen 872
shoots, composition 3369
tissue culture
cytology 7509
physiology 7508
tubers
biochemistry, light 2101
composition 207, 2813
cytology 2815
dormancy, biochemistry 206, 2816
weed control 5661
**Jerusalem artichokes × sunflowers**
cultivars
characteristics, USSR 2814
diseases 2814
**Jordan,** tomatoes, cultivars 316
***Juglans*** (*see also* Walnuts)
***Juglans cinerea,*** drought, resistance, physiology 4757
***Juglans hindsii,*** drought, resistance, physiology 4757
***Juglans microcarpa,*** drought, resistance, physiology 4757
***Juglans nigra***
cultivars, flowering date 4027
drought, resistance, physiology 4757
parasitic plants, *Phoradendron tomentosum* 1033
**Juncaceae,** landscaping, Czechoslovakia 2200
***Juniperus***
grafting, techniques, assessment 4416
plant, composition 5109
***Juniperus chinensis***
cultivars, propagation 4416
planting stock, production, containers 460, 479
roots, development, assessment 425
***Juniperus communis***
cultural methods, mechanization 4476
fruits, composition 3667, 5122
plant, composition 1692
***Juniperus conferta,*** planting stock, production, containers 6842
***Juniperus excelsa,*** fruits, composition 3667
***Juniperus foetidissima,*** leaves, composition 514
***Juniperus horizontalis***
as ground cover plants, assessment 7823
herbicides, injuries 465
nutrition
calcium 7916
***Juniperus horizontalis*** *cont.*
nutrition *cont.*
magnesium 7916
nitrogen 2283
planting stock, production, containers 2268, 5070
***Juniperus oxycedrus,*** plant, composition 3040
***Juniperus phoenicea,*** fruits, composition 3667
***Juniperus sabina***
herbicides, injuries 465
landscaping, USSR 6082
***Juniperus scopulorum,*** cultivars, propagation 4416
***Juniperus squamata***
cuttings, storage 464
protected cultivation, systems, plastic film 3617
***Juniperus virginiana***
cultivars, propagation 4416
landscaping, USSR 6081
***Justicia pectoralis,*** plant, composition 9166
**Juvenile hormones,** composition, *Piper nigrum* 5146
**Juvenility**
cultivars, cauliflowers 2833
physiology
*Hedera helix* 9036
mangoes 6312
rootstock scion relationships, avocados 2464
***Kadsura coccinea,*** plant, composition 3771
***Kaempferia galanga,*** rhizomes, composition 1743
***Kalanchoe***
photosynthesis, CAM pathway 7896
plant, composition 1146
protected cultivation, carbon dioxide 6829
reports, German Federal Republic 17
***Kalanchoe blossfeldiana***
cultural methods, pot plants 7891, 7902
flowers, initiation, tissue culture 7903
irrigation, water, composition 372
photosynthesis, CAM pathway 1619
protected cultivation
economics 7902
light 5942
seeds, germination, light 2973
tissue culture, culture media 7903
***Kalanchoe daigremontiana***
leaves
anatomy 2254
cytology 2254
photosynthesis
CAM pathway 1619-1620, 2974, 7904
temperature 6828
plant, composition 2255
tissue culture, culture media 1618
water relations
diurnal variation 1620
physiology 1621
***Kalanchoe laciniata,*** flowers, composition 6201
***Kalanchoe laxiflora,*** growth regulators, cytokinins, metabolism 4399
***Kalanchoe pinnata***
photosynthesis, light 3596
plant, composition 6827
***Kalanchoe quartiniana,*** cut flowers, vase life 8950
***Kalanchoe tomentosa,*** cultural methods, pot plants 432
***Kalanchoe tubiflora***
circadian rhythm 2256
plant, composition 6827
**Kale**
cultural methods, Zambia 5677
diseases, *Plasmodiophora brassicae* 7551
herbicides, tolerance 231
leaves
composition 4876, 5694, 5698, 8736
physiology 884
plant, composition 3388, 4146
seeds, germination, temperature 3377
soil amendments 4876
***Kallstroemia pubescens***
plant, composition 9167
tissue culture, biochemistry 9167
***Kalmia,*** tissue culture, propagation, responses 5000
***Kalmia angustifolia,*** as weeds, *Vaccinium* 4048
***Kalmia latifolia***
cultivars, characteristics, USA 6857
surveys, Poland 3002
***Karwinskia humboldtiana,*** fruits, composition 5201
***Keiferia lycopersicella,*** tomatoes 324
**Kenya**
coffee, diseases, control 1834
cut flowers, production, carnations 5951, 5955
**Ketones**
characterization
*Crotalaria medicaginea* 570
*Hypericum revolutum* 1686
*Kaempferia galanga* 1743
*Nardostachys chinensis* 3094
composition
*Artemisia variabilis* 1714
*Asparagus* 3466
cashews 3873
*Citrus halimii* 4544
*Cydonia sinensis* 4024
grapefruits 3849
*Minthostachys glabrescens* 5145
*Perilla frutescens* 1677
*Peucedanum* 9188
*Ziziphora taurica* 7990
metabolism
ripening, bananas 4568
seasonal variation, *Mentha piperita* 3680-3681
***Khaya nyasica,*** plant, composition 525
**Kiwifruits**
cultivars, chilling requirement 2020
cultural methods, Italy 2587
cuttings 124
sources, assessment 8594
diseases
*Armillaria mellea* 6511
*Botryosphaeria* 8596
*Phytophthora cactorum* 6511
*Phytophthora nicotianae* var. *parasitica* 6511
flowers
biology 6513
development
assessment 126
histology 7338
temperature 2020
fruits
composition 765, 3301, 8597
development
assessment 126
physiology 5529
water relations 5529
mechanical properties, storage 1361
size
nutrition 5530
pruning 2018
fungicides, residues 1361
growth regulators, ethylene, metabolism 8597
handling, techniques 3300
nutrients
absorption, age 2021
translocation 5529, 5533
nutrition
magnesium 4030
nitrogen 5530
potassium 5532
pests
biological control 6512
Miridae 3299
photosynthesis
light 5534-5535
temperature 5534-5535
plant, development, physiology 2021
pollen, germination, temperature 2022
pollination, research 2022, 6513
production
Australia 7139
Chile 7204
products, pectins 3302
pruning, seasons 2018

**Kiwifruits** *cont.*
reports
Cyprus 731
German Federal Republic 732
New Zealand 734, 1892
research, Chile 2581
storage
quality
insecticides 3300
nutrition 5530, 5532
systems
cold storage 1361
controlled atmosphere storage 1361
tissue culture
propagation
micropropagation 7337
techniques 8595
protoplasts 8595
training
responses 5528
systems 46, 5528
water relations, measurement 2019
weed control 3299
***Kleinia articulata*** *(see Senecio articulatus)*
***Kochia scoparia,*** plant, composition 6962
***Kohleria,*** cultivars, characteristics, Belgium 7879
**Kohlrabi**
cultivars
assessment, Netherlands 223
protected cultivation 3375
herbicides
injuries 882
tolerance 231
intercropping, cabbages 4155
nutrition, nitrogen 4158, 5650
plant
composition 4146
development, measurement 3920
processing, cultivars 223
protected cultivation
carbon dioxide 3351
cultivars 3375
light 4154
spacing 3375
temperature 3375
reports, German Federal Republic 16-17, 3215
seedlings
planting, age 3375
production, protected cultivation 4154
seeds
germination, temperature 3377
sowing, spacing 226
treatment 880
weed control 882
***Kolobopetalum auriculatum,*** leaves, composition 6155
***Kopsia deverrei***
leaves, composition 9169
plant, composition 9168
**Korea Republic**
*Allium,* species 4837
*Malus,* cultivars 5098
*Pyrus pyrifolia,* cultivars 5507
**Labiatae,** production, Italy 6874
***Laburnum alpinum,*** plant, composition 2605
***Laburnum anagyroides,*** plant, composition 641
***Laccaria laccata,*** mycorrhizas, almonds × peaches 1994
***Lachenalia***
cultural methods, UK 415
species, characteristics, South Africa 415
***Lactarius chrysorrheus,*** mycorrhizas, chestnuts 4001
***Lactarius deliciosus***
ecology, USSR 1556
wounds, biochemistry 1557
***Lactarius deterrimus,*** wounds, biochemistry 1557
***Lactarius necator,*** ecology, USSR 1556
***Lactarius piperatus,*** plant extracts, application, *Vaccinium* 2031
***Lactarius torminosus,*** ecology, USSR 1556
***Lactarius vellereus***
composition 2194
mycorrhizas, chestnuts 4001
**Lactones**
characterization
*Achillea fragrantissima* 1705
*Alpinia galanga* 8021
*Ambrosia confertiflora* 9084
*Artemisia absinthium* 3051
*Capsicum* 3735
*Chrysanthemum pectinatum* 8044
*Illicium majus* 4498
*Inula racemosa* 7979
*Jaborosa magellanica* 1145
*Nepeta tuberosa* 6877, 6966
*Onopordum tauricum* 6967
*Pittosporum phillyraeoides* 3791
*Stachys officinalis* 3811
*Swertia petiolata* 1772
*Tanacetum parthenium* 8114
composition
*Artemisia absinthium* 1106
*Artemisia afra* 5111
*Artemisia annua* 3723-3724, 4478
*Artemisia argyi* 1106
*Artemisia judaica* 5162
*Asphodeline anatolica* 6915
*Blumea balsamifera* 5166
*Centaurea pallescens* 2360
*Chamaemelum fuscatum* 5112
*Cnicus benedictus* 564
*Conyza canadensis* 6871
*Cudrania cochinchinensis* 5182
*Cydonia sinensis* 4024
*Eucalyptus viminalis* 8062
*Eupatorium cannabinum* 1130
*Haplophyllum tuberculatum* 1739
*Helenium amarum* 1082
*Inula racemosa* 9240
*Mikania urticifolia* 5206
*Montanoa gigas* 1149
nectarines 8558
*Otanthus maritimus* 5209
*Paramichelia baillonii* 9185
*Parthenium hysterophorus* 8093
*Phyllanthus niruri* 9189
*Pulsatilla alpina* 3793
*Saussurea amurensis* 6984
*Senecio nemorensis* 2434
Solanaceae, reviews 9105
*Sorbus aucuparia* 4440
*Thapsia garganica* 5248
*Vernonia elaegnifolia* 635
determination
Compositae 3711
*Helenium* 5196
metabolism, ripening, *Aegle marmelos* 4601
production, tissue culture, *Artemisia annua* 548
***Lactuca*** *(see also* Lettuces)
***Laetisaria arvalis,*** control, of fungi, beet-roots 5647
***Laetisaria fuciformis,*** lawns and turf 2962-2963
***Lagenaria abyssinica,*** plant, composition 525
***Lagenaria breviflora***
fruits, composition 589
seeds, composition 589
***Lagenaria siceraria***
cultivars
assessment, Bangladesh 7576
characteristics, India 5709
diseases, *Sphaerotheca fuliginea* 1475
flowers, sex, photoperiodism 4193
fruits, set, pollination 8761
growth regulators, alcohols, responses 2842
pests, Hemiptera 5740
pollen, viability, temperature 903
pollution, uranium 8663
rhizosphere, biology 4277
seeds
composition 1080
production, pollination 8761
***Lagerstroemia,*** hybrids, characteristics, USA 6111
***Lagerstroemia indica***
herbicides, injuries 9030
***Lagerstroemia indica*** *cont.*
planting stock, production, containers 2266
weed control 9030
***Lagerstroemia indica*** × ***Lagerstroemia fauriei***
cultivars
characteristics, USA 489
diseases 489
***Lagerstroemia lancasteri,*** plant, composition 1653
***Lamium purpureum,*** as weeds, peas 8809
**Landscaping**
arid regions
conifers 6081
*Sedum* 4403
assessment, woody plants 4408
coastal areas, woody plants 2264
Czechoslovakia
Cyperaceae 2200
Gramineae 2200
ground cover plants 2201
Juncaceae 2200
Hong Kong, woody plants 4410
industrial sites, woody plants 4414, 5072
parks
Cyperaceae 2200
Gramineae 2200
Juncaceae 2200
woody plants 2981
reclaimed land, *Adhatoda vasica* 4428
roadsides
ornamental plants 7824
persimmons 7050
woody plants 457, 1036
roofs, wild plants 986
UK
ornamental plants 7824
woody plants 2981
urban sites
container grown plants 4411
*Fraxinus pennsylvanica* 7945
*Paeonia suffruticosa* 4438
*Populus* 9046
woody plants 456, 458, 1036, 4409-4410, 6065-6068, 7130, 7913, 8940
USA, woody plants 7914
USSR
conifers 6081-6082
*Paeonia suffruticosa* 4438
*Populus* 9046
Rosaceae 3613
*Sedum* 4403
woody plants 458, 4408, 5072
***Lansium anamalayanum,*** plant, composition 9103
***Lansium domesticum***
fruits, development, physiology 2576
seeds, composition 2575
***Lantana***
pests
Aleyrodidae 3629
*Trialeurodes vaporariorum* 6773
***Lantana camara***
cultural methods, containers 1035
plant, composition 3706
pollution, research 7149
***Larix decidua,*** landscaping, USSR 6082
***Larra bicolor,*** control, of *Scapteriscus,* lawns and turf 8992
***Larrea tridentata,*** plant, composition 1654, 2393
***Laserpitium latifolium,*** plant, composition 8077
**Latex**
biochemistry
*Asclepias syriaca* 636
*Euphorbia* 638-639
Euphorbiaceae 1782
*Hevea* 1851
*Papaver somniferum* 8089
*Synadenium grantii* 639
biosynthesis, *Parthenium argentatum* 3823
composition
*Euphorbia* 3757
*Ficus glabrata* 1735
*Hevea* 7098
*Parthenium argentatum* 5245

**Latex** *cont.*
composition *cont.*
*Synadenium grantii* 5231
exudation, *Hevea* 8319, 8322
metabolism
carbon dioxide, *Parthenium argentatum* 3824
drought, *Parthenium argentatum* 1786
water relations, *Parthenium argentatum* 3824
production, cultural methods, *Papaver somniferum* 1156
***Lathyrus*** (*see also* Sweet peas)
chromosomes 6013
***Lathyrus annuus,*** breeding, interspecific hybridization 6013
***Lathyrus chloranthus,*** breeding, interspecific hybridization 6013
***Lathyrus hirsutus,*** breeding, interspecific hybridization 6013
***Lathyrus pratensis,*** breeding, interspecific hybridization 6013
***Lathyrus tuberosus,*** as weeds, onions 1412
**Latitude**
*Anethum graveolens* 2293
grapes 6546
***Laurencia pinnatifida,*** composition 2394
***Laurocerasus officinalis*** (*see Prunus laurocerasus)*
***Laurus nobilis***
diseases, *Glomerella cingulata* 1655
leaves
composition 509
development, biochemistry 3016
plant
composition 532, 4474, 7970
morphology 532
pruning
responses 7957
systems, assessment 1061, 3008
***Lavandula***
cultivars
assessment, Italy 6875
characteristics, USSR 3017
cultural methods
labour requirements 5158
mechanization 4475, 6860
research 6898
weed control 3677
***Lavandula angustifolia***
cultural methods, mechanization 4476
nutrition 2331
plant, composition 4474
seeds, quality, assessment 6141
***Lavandula angustifolia* × *Lavandula latifolia,*** plant, composition 3667
***Lavandula dentata,*** seeds, quality, assessment 6141
***Lavandula latifolia,*** flowers, composition 3666
***Lavandula multifida,*** plant, composition 6202
***Lavandula spica,*** mycorrhizas 1066
***Lavandula stoechas***
plant, composition 3678, 6202
seeds, quality, assessment 6141
**Lavender and lavandin** (*see Lavandula)*
**Lawns and turf**
acaricides, application 7829
allelopathy 2242
cold
resistance
growth regulators 6824
nutrition 6824
colour
growth regulators 6824
nutrition 6824
cultivars
assessment
USA 2241
USSR 4381, 5048, 7880-7881
characteristics
Netherlands 3921
USA 1020, 2961-2964, 4382-4384, 7882-7885
USSR 2960
diseases 2961-2964, 4382, 4384, 5048, 7882-7885
herbicides 3580
shade 4380
**Lawns and turf** *cont.*
cultivars *cont.*
transpiration 6038
cultural methods, golf courses 2243, 2245, 3578, 6042, 6823
diseases, control, bibliographies 5047
drought, responses 1610
establishment 3583-3584
fungicides
injuries 2243
tolerance 2243
grass clippings 6043
growth regulators
amidochlor, responses 421
mefluidide, responses 5050
growth retardation, growth regulators 421, 7156, 7888
herbicides
application 3579
injuries 1021, 1611, 3577, 3579, 3581-3582, 6042, 7887
residues 6041
tolerance 2244, 3580-3581, 6040
insecticides, application 7829
intercropping
barley 8994
wheat 8994
irrigation
requirements, determination 5049
systems 2966
leaves, areas, assessment 1613
mowing 419-420, 2245, 3584
nutrition
nitrogen 423-424, 1022-1023, 2246, 3585, 6043-6044, 7889, 8991
phosphorus 424, 1022, 6044
potassium 1022, 6044
oversowing 2243, 2245, 6823
pests
Acari 7829
control
bibliographies 5047
Japan 7179
insects 7829
*Scapteriscus* 8992-8993
photosynthesis
measurement 426
physiology 419
plant
development, growth regulators 1614
morphology 6045
planting, seasons 3583
quality, growth regulators 6823
reports, Irish Republic 3212
roots, development, assessment 425
seeds
production, cultural methods 6044, 8989, 8994
sowing, spacing 4385
soil aeration, responses 2245
soil temperature, responses 7827
soilless culture, cultural methods 4385
species
assessment, German Federal Republic 418
competition 424
thatch
development 6043
removal 8990
tillering, cultural methods 6043
transpiration
cultivars 6038
measurement 6045
weed control 1611-1612, 2243-2244, 2965, 3577-3579, 3582, 4348, 4386, 5379, 6039-6040, 7886-7888, 8988-8989
bibliographies 5047
weeds, competition 6040
***Lawsonia inermis***
leaves, composition 9170
plant, composition 3706, 9081
plant extracts, application, lemons 1807
roots, composition 3089
seeds, composition 6203
**Layering**
treatment
growth regulators, pecans 6502
ringing, pecans 6502
***Layia,*** chromosomes 7825
**Lead**
absorption
cucumbers 6649
onions 193
*Pleurotus sajor-caju* 5938
vegetables 6667
composition
apples 6433-6434
fungi 2184, 4341
melons 6650
*Nerium oleander* 3003
oranges 6248
tea 721
vegetables 4825
watermelons 6650
toxicity
peas 4240
*Syzygium cumini* 3224
tamarinds 3224
vegetables 6667
translocation, onions 193
**Leaf mould**
utilization
growing media
*Cyclamen persicum* 5030
olives 9294
pot plants 9002-9003
**Leaf polishes,** *Fuchsia* 6855
**Leaves**
abscission
physiology
oranges 3144
peaches 5496
*Phaseolus vulgaris* 3420, 5767
pollution, *Adhatoda vasica* 9111
areas
assessment
apples 4694
bananas 7063
cucumbers 2121
grapes 6569
lawns and turf 1613
mangoes 5320, 7081
*Papaver somniferum* 1755
aroma, biochemistry, tomatoes 4326
biochemistry
anaerobiosis, tea 3201
antioxidants, *Vicia faba* 926
assessment, *Pelargonium zonale* 389
fungicides
apples 5469
tomatoes 344
iron, peas 931, 935
light
lettuces 876
peas 7686-7687
spinach 3368
magnesium
lettuces 876
*Vicia faba* 925
temperature, tea 1873
colour
biochemistry, grapes 3345
light, greenhouse crops 382
physiology, poinsettias 6847
development
biochemistry
cabbages 8734
*Laurus nobilis* 3016
*Liriodendron tulipifera* 4435
tea 9407
cytology
peas 7676
*Silene coeli-rosa* 7676
flooding, *Vaccinium corymbosum* 134
growth regulators
chrysanthemums 381
cocoa 9325
globe artichokes 208
grapes 4809
mangoes 1222
oranges 1804
*Phaseolus vulgaris* 918, 2862
rough lemons 3832
histology
*Clivia miniata* 6819
*Dianthus chinensis* 4351
light
*Bergenia crassifolia* 1585

**Leaves** *cont.*
development *cont.*
light *cont.*
cocoa 9330
*Codiaeum variegatum* 6050
*Hedera helix* 9036
*Liquidambar styraciflua* 2286
peaches 2678
*Phaseolus vulgaris* 918
*Serratula coronata* 1585
nutrition, *Capsicum* 304
photoperiodism, *Perilla frutescens* 3686
physiology
celery 3512
cocoa 8256-8257
cucumbers 3402
hazelnuts 8526
*Kalanchoe laxiflora* 4399
oranges 1804
*Phaseolus vulgaris* 4224, 6676, 7641
poinsettias 6847
tomatoes 339
pollution
*Syzygium cumini* 3224
tamarinds 3224
propagation, carnations 375
root pruning, *Phaseolus vulgaris* 4907
seasonal variation
apples 764
chrysanthemums 1573
*Rauvolfia tetraphylla* 6222
shade, peaches 2678
spacing, grapes 2060
temperature
*Freesia* 6804
*Iris* 6029, 6804
*Lilium longiflorum* 2229
*Narcissus* 6804
*Phaseolus vulgaris* 4907, 6676
poinsettias 1635
tissue culture, *Liquidambar styraciflua* 2286
training, grapes 2060
water relations
peaches 4009
pecans 6506
*Phaseolus vulgaris* 7641
drop
growth regulators
peaches 103, 3279
*Phaseolus vulgaris* 2862
flavour, biochemistry, *Allium victorialis* 9116
movements
age, *Phaseolus vulgaris* 1490
biochemistry, *Samanea saman* 494
cytology, *Phaseolus coccineus* 4910
physiology
*Phaseolus coccineus* 7640
*Phaseolus vulgaris* 1490
water relations, *Phaseolus coccineus* 7640
quality
assessment, cabbages 43
climate, tea 3204
environment, tea 3204, 6359
harvesting, tea 5350
nutrition, tea 1872, 3196, 3895-3896, 8356, 9403
size
physiology, cocoa 8256
pruning, apples 3957
variegation
cultivars, *Paulownia tomentosa* 5099
genetics, *Petunia* 5997
histology, *Tristania* 6100
mutants, *Bougainvillea* 2985-2986
physiology, *Epipremnum pinnatum* 9004
tissue culture
Ericaceae 3623
*Saintpaulia* 7847
***Leccinum aurantiacum,*** ecology, USSR 1556
***Leccinum scabrum,*** ecology, USSR 1556
**Lectins**
biochemistry
*Abrus precatorius* 6168
*Maackia amurensis* 6205
characterization
*Abrus precatorius* 8012
Amaryllidaceae 8968
*Erythrina rubrinervia* 5087
*Flammulina velutipes* 8933
*Psophocarpus tetragonolobus* 8833
composition
breadfruits 681
*Datura stramonium* 4489
*Kalanchoe* 1146
*Listera ovata* 1627
*Momordica charantia* 3034
plants 5408
*Psophocarpus tetragonolobus* 6698
*Trichosanthes kirilowii* 3034
extraction, garlic 8678
metabolism
germination, *Phaseolus vulgaris* 8768
physiology, *Psophocarpus tetragonolobus* 8837
***Lecythis,*** plant, composition 3706
***Ledum palustre***
leaves, composition 5123
plant, composition 6876
wild plants, utilization, USSR 735, 6158
**Leeks**
cultivars
assessment
Australia 3359
Czechoslovakia 3358
growth 2097
cultural methods, Czechoslovakia 3358
mycorrhizas 7469, 7720
nutrients, absorption, assessment 2082
nutrition
manures 2089, 7546
nitrogen 2089, 7546
phosphorus 7546, 7720
potassium 7546
packing, materials 8674
plant, composition 1907
protected cultivation
systems
plastic fabric 5622
plastic film 5622, 7468
reports, German Federal Republic 14-15, 732
seeds
germination, water relations 1547
production, cultural methods 3358
storage, duration 1547
treatment 1547, 4818
soil compaction, responses 5624
soilless culture, nutrition 7720
weed control 7468, 7475
yields, weeds 7475
**Leguminosae**
intercropping, sugarcane 4592
mycorrhizas 5397
plant, composition 2605
roots, nodulation 5397
taxonomy, morphology 7615
***Lemnia biplagiata,*** control, of *Ceratovacuna lanigera,* sugarcane 9396
**Lemons**
as rootstocks, oranges 9256
cultivars
assessment, USSR 2512
biochemistry 3853
diseases 3853, 9245
lists 9248
protected cultivation 6258
cuttings 3124
diseases
*Aspergillus niger* 7032
*Deuterophoma tracheiphila* 3829
frost
protection
cultural methods 3830
snow 6246
fruits
composition 3850, 4543, 5284, 7972, 9276
physiology 1806
**Lemons** *cont.*
fruits *cont.*
quality, assessment 9275
set, protected cultivation 6258
insecticides, residues 6310
irrigation
responses 5278
water, salinity 647
leaves, composition 3853, 8168
nutrition
iron 653
nitrogen 2518
phosphorus 2518
potassium 2518
parasitic plants, *Cuscuta monogyna* 8395
pests, *Tylenchulus semipenetrans* 8194-8195
photosynthesis
cultivars 6258
irrigation 5278
plant
biochemistry, growth regulators 4543
composition 6261
production, Chile 7204
protected cultivation
cultivars 2512
rootstocks 6244
pruning, responses 9253
respiration, photorespiration 5278
rootstock scion relationships
biochemistry 1791
diseases 3829
salinity, injuries 647
seedlings, treatment 8194-8195
shoots
composition 1805
development, seasonal variation 1800
storage
diseases 1807-1808, 7032
packing 1808
systems
assessment 6259
cold storage 3843
treatment 8203-8204
wraps 3840
tissue culture
physiology 1806
propagation, micropropagation 3126
training
responses 3830
systems 3830
weed control 8395
***Lentinellus cochleatus,*** composition 5124
***Lentinula edodes***
composition 984-985, 1555, 2185, 3528
cultivars
growing media 3527
identification 4995
cultural methods, China 2196
diseases, viruses 5935
fructification 8935
growing media, composition 2195, 3526-3527, 3529, 4993
mycelium, growth 3521
storage, physiology 8935
***Lepanthes,*** characteristics 3604
***Lepanthes bufonis,*** characteristics 3604
***Lepanthes prionota,*** characteristics 3604
***Lepanthes stalactites,*** characteristics 3604
***Lepidium*** (*see also* Cress)
**Lepidoptera**
Brussels sprouts 8671
globe artichokes 8671
ornamental plants 8949
tea 6355
walnuts 4026
***Lepidozamia peroffskyana,*** plant, composition 1029
***Lepraria citrina,*** composition 5202
***Leptinotarsa decemlineata,*** aubergines 179
***Leptochloa scabra,*** as weeds, vegetables 3352
***Leptodictya tabida,*** sugarcane 8387
***Leptodontium orchidicola,*** mycorrhizas, *Calypso bulbosa* 9019
***Leptomastix dactylopii,*** control, of *Planococcus citri, Citrus* 1798

***Leptospermum scoparium,*** frost, resistance, assessment 9027
***Leptosphaeria coniothyrium,*** raspberries 129
**Lettuces**
allelopathy 2242
cold, resistance, cultivars 215
cultivars
assessment
Netherlands 4133-4134, 4864, 5663, 8711
Poland 211-212
USSR 2786, 4865
biochemistry 879, 1436
characteristics
Romania 7713
USSR 2787
diseases 5663, 7713
disorders 1441
germination 215
nutrition 1436, 4142
pests 4132
photoperiodism 2104
protected cultivation 3373, 4865, 7513, 8711
soilless culture 4101
diseases
beet pseudo yellows virus 5672
beet western yellows virus 5672
*Bremia lactucae* 4872, 6397
*Pseudomonas cichorii* 1442
*Sclerotinia minor* 5673
disorders
brown stain 7524
edgeburn 4136
head rot 4143
tipburn 1441, 4136, 4139, 5670-5671, 7521
growing media, composition 4828
growth regulators
ABA, absorption 8712
ethylene, metabolism 877
triacontanol, responses 2103
handling
energy conservation 5676
techniques 2822
harvesting, harvesting date, forecasting 6618
herbicides, residues 8666
insecticides, residues 4652, 5402
intercropping
cauliflowers 4155
tomatoes 4137
irrigation, water, composition 372
leaves
biochemistry
light 876
magnesium 876
composition 218-219, 1907, 2084, 4145, 4865, 5670, 7524
mulching, responses 4866, 5673
nutrition
boron 7810
deficiency 5625
green manures 222
magnesium 876
manures 4141, 6615
nitrogen 861, 875, 4139, 4142-4143, 4826, 4870, 5665-5669, 7518
phosphorus 4826, 5626, 5665-5666, 7520
potassium 235, 1440, 4143, 4826, 5626, 5665-5666
sodium 235
pesticides, residues 6616
photoperiodism 216
photosynthesis, biochemistry 220, 4144, 4260, 5674, 6617, 8714
plant
composition 222, 879, 4873, 5667-5668, 8715
development
assessment 8388
bacteria 4871
light 1439
mathematical models 6384, 7523
measurement 3920
temperature 1439, 4142
quality, nutrition 4139
planting, spacing 212
**Lettuces** *cont.*
pollution
mercury 7517
ozone 1406
protected cultivation
carbon dioxide 3351, 4103, 4319, 7522
cultivars 211-212, 3373, 4865, 5663, 7513
cultural methods 211-212, 3517
diseases 5673, 6397
economics 217
energy conservation 7519
light 216, 382
planting
seasons 217-219, 7513
systems 4137
soil management 222
systems
greenhouses 6390
plastic fabric 6614
plastic film 6614
temperature 7516, 7518-7519
reports
Cyprus 731
German Federal Republic 15-16, 3215
roots
composition 2820, 4132
development, growth regulators 878
seedlings
development, growth regulators 878
planting
age 1437
mechanical methods 1438
production
cultural methods 1437
growing media 860
protected cultivation 216, 987
soil conditioners 1528
seeds
dormancy, physiology 4867, 7515
germination
dark 7514
light 7514, 8713
physiology 8712
temperature 873, 4868-4869
water relations 214, 4868
optical properties 8713
sowing
sowing date 211-212
spacing 211
treatment 215, 873, 1403, 4866-4869, 7444
viability
tests 5664
water relations 213
senescence 2085
soil amendments 4102
soilless culture
cultural methods 2103
economics 8667
growing media 4140
nutrient solutions
composition 328
sterilization 874
temperature 1439, 4139, 4870
nutrition 218-219, 7518
systems
assessment 8667
hydroponics 7519
nutrient film techniques 218-219, 4101, 4135-4139, 7518
storage
diseases 2821
disorders 1407, 7524
losses 6619
physiology 2085, 7524
wraps 2821
tissue culture
culture media 221
organogenesis 221
transport, temperature 2822-2823
weed control 7450-7451
yields, diseases 5675
***Leucaena,*** utilization, shade plants, cocoa 9324
***Leucaena leucocephala***
as green manures, coconuts 9335
***Leucaena leucocephala*** *cont.*
as support trees, *Phaseolus vulgaris* 6670
intercropping, coconuts 9335
utilization, shade plants, *Phaseolus vulgaris* 6670
***Leucas aspera,*** plant, composition 4465
***Leucinodes orbonalis,*** aubergines 5867, 6714, 8862
***Leucojum aestivum***
bulbs, composition 8968
tissue culture, propagation, techniques 416
***Leucojum vernum,*** bulbs, composition 8968
***Leucoptera caffeina,*** coffee 9343
***Leucoptera malifoliella***
apples 3966, 7251, 8503-8504
fruit crops 6420
***Leucoptera meyricki,*** coffee 9343
***Leuzea carthamoides,*** plant, composition 4499
***Leveillula taurica,*** *Capsicum* 5859
***Levisticum officinale***
diseases, *Ramularia levistici* 8078
shoots, flavour, biochemistry 3514
***Liatris punctata,*** plant, composition 3032
***Liatris pycnostachya,*** cut flowers, production, cultural methods 1004
***Libanotis buchtormensis,*** roots, composition 590
**Lichens,** composition 1269, 5202
**Light** (*see also* Dark; Photoperiodism; Shade)
absorption
lettuces 8713
*Vicia faba* 925
artificial light
*Adiantum capillus-veneris* 5054
aubergines 312
*Campanula carpatica* 6008
*Campanula poscharskyana* 6009
chrysanthemums 5988
*Codiaeum variegatum* 2249
cucumbers 5825, 5827
*Cucurbita maxima* 6643
*Gomphrena globosa* 1009
*Holarrhena floribunda* 3769
*Iris ensata* 6810
lettuces 216
*Lilium* 8982
ornamental plants 1585
peas 3434, 3456, 4267, 4269, 4931, 5808, 5812, 5825, 5827
*Pelargonium* 6782
*Phaseolus vulgaris* 918, 3419
plants 8399
pot plants 5942
radishes 1461, 6636
*Rhamnus purshianus* 3797
spinach 3365, 3368
tomatoes 341, 350, 2163, 3504
*Vicia faba* 2135, 5774
watermelons 1479, 2847, 7586
blue light
*Cinchona ledgeriana* 1116
greenhouse crops 382
lettuces 8713
ornamental plants 1585
peas 937, 2142, 3456
radishes 1458
*Sinapis alba* 1062, 7962
spinach 1427, 6603
*Vicia faba* 2134
watermelons 7586
far red light
*Brassica juncea* 881
*Clerodendrum thomsoniae* 482
*Gomphrena globosa* 1009
onions 3363
*Paulownia tomentosa* 3647
peas 5808
*Perilla frutescens* 1678
*Pharbitis nil* 7844
*Phaseolus vulgaris* 917, 3419
radishes 5702
roses 6098
*Sinapis alba* 504, 1062
spinach 1427
tomatoes 341, 3494
*Vicia faba* 4237
watermelons 7586

**Light** *cont.*
green light
greenhouse crops 382
ornamental plants 1585
interception
assessment
*Agave* 2320
fruit crops 4623, 4663
grapes 8654
high density planting, peaches 2674
pruning
grapes 2062, 7428
peaches 6489
spacing
apples 757
bananas 6286
training
apples 2625
raspberries 825
light intensity
*Acer palmatum* 1641
*Arbutus unedo* 1049
*Astilbe* 5018
*Calendula officinalis* 397
*Capsicum* 2887, 7727
carnations 5954, 5973
*Catharanthus roseus* 4482
*Cephaelis ipecacuanha* 2364
Chinese cabbages 3385
chrysanthemums 1574, 5007, 5988
*Cinchona* 2364
*Clematis* 481
*Clerodendrum thomsoniae* 482
cocoa 9326-9327, 9330
*Codiaeum variegatum* 6050-6051
cucumbers 32, 1480, 3929, 7609
*Epipremnum pinnatum* 438
foliage plants 430, 6049, 6826
*Freesia refracta* 6805
*Gerbera* 385
grapes 2758
greenhouse crops 4319, 5390
*Kalanchoe blossfeldiana* 2973
kiwifruits 5534-5535
lawns and turf 4380
lettuces 876, 1439, 4137, 5667
*Liquidambar styraciflua* 2286
*Nephrolepis exaltata* 6054
onions 5640
oranges 3129
ornamental plants 32, 5943
*Papaver somniferum* 1156
peaches 6489
peas 938-939, 3446, 3449, 4256-4258, 4926, 5828, 6693, 6697
*Pelargonium* 1580
*Persea schiedeana* 5251
*Phaseolus vulgaris* 916, 6669, 7633
plants 3226
reviews 1255, 1257
pot plants 6049
*Radermachera sinica* 5063
radishes 7567
*Rhododendron* 3535, 6087
*Rhododendron catawbiense* 1040
*Simmondsia chinensis* 9233
spinach 38, 1049, 1429, 4846, 4848, 6603, 8700
*Syngonium podophyllum* 1030
tomatoes 32, 325, 338, 6746, 7747, 7751
*Vaccinium corymbosum* 8606
*Vicia faba* 2134, 7650
natural light
chrysanthemums 5988-5989
kohlrabi 4154
lettuces 216, 1437
onions 199
peaches 2678
*Pharbitis nil* 2209
pot plants 5942
tomatoes 348, 2902
red light
*Brassica juncea* 881
*Clerodendrum thomsoniae* 482
cucumbers 2848
endives 4863
*Gomphrena globosa* 1009
grapes 5608
greenhouse crops 382
lettuces 8712-8713

**Light** *cont.*
red light *cont.*
onions 3363
ornamental plants 1585
*Paulownia tomentosa* 3647
peas 937, 940, 2142, 3456, 4267, 5808
*Perilla frutescens* 1678
*Petunia* 3535
*Pharbitis nil* 7844
*Phaseolus vulgaris* 917
radishes 1458
roses 6098
*Sinapis alba* 1062, 7961
spinach 940, 1427
tomatoes 341, 3494
*Vicia faba* 4237, 7649
watermelons 7586
reflection, plants 8392
spectral composition
greenhouse crops 382
peas 940, 3435
plants 2588
reviews 1257
radishes 1458
*Rhododendron* 3535
spinach 940
supplementary light
*Begonia hiemalis* 7858
Chinese cabbages 3385
chrysanthemums 5988, 7837
*Codiaeum* 369
cucumbers 255, 6645
cut flowers 1583
foliage plants 6049
grapes 2759
greenhouse crops 4319
*Ixia* 2235
*Kalanchoe blossfeldiana* 7902
kohlrabi 4154
lettuces 216, 4137
*Lilium* 2953
*Pentas lanceolata* 6014
pot plants 5942, 6049
*Rhododendron* 6087
strawberries 141, 2041
tomatoes 2161, 2163, 3488, 3496, 6722, 7764, 8412
*Trachelium caeruleum* 6019
transmission, foliage plants 6825
ultraviolet radiation
foliage plants 6825
medicinal plants 531
peas 5808
*Spathiphyllum wallisii* 444
yellow light, greenhouse crops 382

**Lignans**
characterization
*Allemanda neriifolia* 3639
*Cleome viscosa* 4484
*Haplophyllum buxbaumii* 1137
*Hernandia ovigera* 2391
*Machilus thunbergii* 4502
*Myristica fragrans* 3657
*Oenanthe aquatica* 4506
*Pachypodanthium staudtii* 6213
*Paulownia tomentosa* 2288
composition
*Allemanda schottii* 9115
*Amanoa oblongifolia* 5160
*Haplophyllum tuberculatum* 1739, 3040
*Juniperus oxycedrus* 3040
*Kadsura coccinea* 3771
*Myristica fragrans* 2302
*Pararistolochia flos-avis* 602
*Phyllanthus niruri* 9189
*Piper ribesoides* 6976
*Schisandra* 1173
*Schisandra chinensis* 2327, 3803
*Silybum marianum* 3806
*Thuja orientalis* 3040
determination
*Podophyllum* 6218
*Schisandra chinensis* 6227
extraction
*Forsythia suspensa* 1091
*Forsythia viridissima* 1091
*Fraxinus japonica* 1091
*Fraxinus mandshurica* 1091

**Lignin**
biosynthesis, cucumbers 254
composition
*Digitalis lanata* 3750
grapes 2751
*Osmunda asiatica* 4400
metabolism
age, tea 8360
growth regulators, *Pharbitis nil* 996
storage, *Asparagus* 7705
water relations, tea 8360
wounds, peaches 1339

**Lignite**
utilization
fertilizers
lettuces 6615
tomatoes 2909, 6732

**Lignoids**
characterization
*Aleurites moluccana* 6908
*Herpetospermum caudigerum* 8076
*Iryanthera laevis* 724

***Ligularia thomsonii,*** roots, composition 3772

***Ligusticum porteri,*** plant, composition 3032

***Ligusticum wallichii***
rhizomes, composition 5203
tissue culture, propagation, protoplasts 591

***Ligustrum japonicum,*** fruits, composition 1744

***Ligustrum lucidum,*** salinity, tolerance 9029

***Ligustrum ovalifolium***
flowers, fragrance, biochemistry 5074
growth regulators, flurprimidol, responses 1047
growth retardation, growth regulators 6409

***Ligustrum vulgare***
flowers, fragrance, biochemistry 5074
fruits, composition 4500

**Lilacs** (*see Syringa*)

***Lilium***
breeding
diseases 2220, 8979
Netherlands 8979
bulbs, production, cultural methods 8981
cultivars
assessment, Netherlands 8980
diseases 7866
forcing 412
photoperiodism 8982
cut flowers
cultivars 8980
production
cultural methods 412
protected cultivation 2953, 6811
diseases
lily symptomless virus 7866
*Penicillium hirsutum* 6031
tulip mosaic virus 7866
forcing 4374, 8982
nutrition, nitrogen 8981
planting, seasons 6811
protected cultivation
carbon dioxide 2953
cultivars 8979
light 2953, 8982
soil types 8981
tissue culture, propagation, techniques 1017

***Lilium candidum,*** flowers, composition 6812

***Lilium cordatum*** (*see Cardiocrinum cordatum*)

***Lilium lancifolium,*** tissue culture, propagation, micropropagation 5028

***Lilium longiflorum***
breeding, tissue culture 7864
bulbs
production, cultural methods 7867
sprouting, cultivars 7865
treatment 409
cultural methods, pot plants 410
flowers
development
assessment 2230
temperature, reviews 1604

***Lilium longiflorum*** *cont.*
flowers *cont.*
exudates 1603
histology 1603
forcing 4374
reviews 1604
growth regulators, growth inhibitors, composition 411
growth retardation, growth regulators 409
leaves, development, temperature 2229
pollen
cytology 7869
germination, quinones 7868
tissue culture 6032
tissue culture
propagation, anthers 7864
protoplasts 6032
***Lilium martagon,*** plant, composition 2954
***Lilium regale***
bulbs
composition 3571
treatment 1602
***Lilium speciosum***
forcing 4374
tissue culture, propagation, responses 3570
**Lily symptomless virus,** *Lilium* 7866
**Limacodidae**
coconuts 3910
oil palms 3910
**Lime**
utilization
fertilizers
coconuts 3876
*Phaseolus vulgaris* 2859
*Vaccinium angustifolium* 137
woody plants 7916
growing media, cucumbers 6648
soil amendments
*Brassica* 7551
*Capsicum* 4291
cocoa 9321, 9323
*Exacum affine* 3624
*Hedera helix* 3624
*Ocimum gratissimum* 9078
*Phaseolus vulgaris* 4219-4220
*Piper nigrum* 6127
tomatoes 2909, 3499
tung 2544
**Limes**
acaricides, residues 2521
cuttings 7019
diseases, *Elsinoe fawcettii* 8189
fruits
composition 4831
flavour, biochemistry 4553
insecticides, residues 6310
intercropping, dates 2528
leaves, composition 8168, 9254
marketing, Europe 7138
mycorrhizas 649, 8189
nutrients, requirements, analysis 9254
nutrition, phosphorus 649
pests
*Planococcus citri* 1798
*Tylenchulus semipenetrans* 8191
plant, composition 3706
production, Australia 7139
roots, development, assessment 7027
**Limestone**
utilization
casing, *Coprinus comatus* 3523
fertilizers, oranges 6254
growing media
mushrooms 362
*Radermachera sinica* 5063
soil amendments
oranges 6254
peaches 4008
sugarcane 6342
tomatoes 4964
vegetables 7453
***Limonium,*** cut flowers, production, cultural methods 3536
***Limonium bonduellei,*** nutrition, nitrogen 4361
***Limonium sinuatum***
cut flowers, drying 3559
nutrition, nitrogen 4361
**Limonoids**
biosynthesis
*Citrus ichangensis* 7033
lemons 1805
characterization
*Amoora rohituka* 543
*Azadirachta indica* 9124
*Citrus ichangensis* 7033
*Euodia glauca* 6947
*Tetradium glabrifolium* 8115
composition
*Azadirachta indica* 9085
*Melia volkensii* 9091
*Phellodendron amurense* 6971
metabolism
biochemistry, calamondins 6257
growth regulators, lemons 4543
physiology, *Citrus otachibana* 9272
***Linaria genistifolia,*** wild plants, utilization, ornamental plants 6003
***Lincus,*** coconuts 691
***Lindenia austro-caledonica,*** leaves, composition 3773
***Lindera praecox,*** plant, composition 4501
***Lipaphis erysimi,*** radishes 5701
**Lipids**
biochemistry
almonds 1273
beetroots 7612
*Cucurbita pepo* 7612
*Nelumbo nucifera* 8932
persimmons 1213
*Phaseolus vulgaris* 3418
biosynthesis
almonds 4667
peas 5830
*Wrightia* 9068
characterization
mangoes 5323
tea 6358
composition
almonds 3946
*Annona squamosa* 1217
cashews 4573
cauliflowers 1434
chicory 7512
*Commiphora mukul* 2369
*Hevea* 7098
*Lentinula edodes* 984
mangoes 3946
olives 6272
*Opuntia* 5290
*Origanum dictamnus* 3783
ornamental plants 5950
*Paullinia cupana* 9186
plums 3946
spinach 1434
*Tridax procumbens* 3819
*Washingtonia filifera* 6119
extraction, strawberries 8622
metabolism
antioxidants, *Vicia faba* 926
biochemistry
*Catharanthus roseus* 6180
*Cucurbita pepo* 8759
*Oenothera biennis* 4460
okras 6699
peas 5783
*Psophocarpus tetragonolobus* 8834
flowering, *Narcissus pseudonarcissus* 1605
gamma radiation, *Phaseolus vulgaris* 8782
germination
grapes 3324
oil palms 5324
Orchidaceae 447
*Psophocarpus tetragonolobus* 1516
growth, almonds 1273
growth regulators, *Cucurbita pepo* 1467
herbicides, *Liriodendron tulipifera* 5097
light
apples 56
peas 937, 2142
ozone
*Pharbitis nil* 8769
*Phaseolus vulgaris* 8769
**Lipids** *cont.*
metabolism *cont.*
peroxyacetyl nitrate, *Phaseolus vulgaris* 8769
photoperiodism, apples 3967-3968
physiology
avocados 5261
cucumbers 8757
*Hibiscus rosa-sinensis* 1652
*Oenothera erythrosepala* 4816
vegetables 4816
pollution, horticultural crops 7149
ripening, oranges 4546
senescence
carnations 376, 378, 989, 991, 2205-2206
*Phaseolus vulgaris* 1492
storage, cucumbers 1484
temperature
apples 56, 1955, 3967-3968
grapefruits 1205
tissue culture, *Datura fastuosa* 3747
water relations, sugarcane 717
***Lippia adoensis,*** plant, composition 1745
***Lippia dulcis,*** plant, composition 8005
***Lippia graveolens,*** plant, composition 2403
***Liquidambar styraciflua***
buds, dormancy, physiology 1904
leaves, development, tissue culture 2286
planting stock, production, containers 2266
water relations, propagation 4434
wounds, healing 1036
**Liquorice** *(see Glycyrrhiza)*
***Liriodendron,*** plant, vascular system 6084
***Liriodendron tulipifera***
flowers, biochemistry, herbicides 5097
growth regulators, flurprimidol, responses 1047
growth retardation, growth regulators 6409
leaves
composition 5096
development, biochemistry 4435
plant, composition 3090
planting stock
production
containers 9026
soilless culture 7919
***Liriomyza bryoniae,*** greenhouse crops 7189, 7456
***Liriomyza sativae***
cucumbers 3400
*Phaseolus vulgaris* 914
tomatoes 5913
***Liriomyza trifolii***
chrysanthemums 5006, 7832, 7835
*Gerbera* 6779, 8958
greenhouse crops 7189
vegetables 8670
*Zinnia* 7832
***Liriope***
herbicides, injuries 9030
planting stock, production, containers 6071
weed control 6071, 9030
***Liriope muscari,*** pests, *Brevipalpus* 6795
***Listera ovata***
leaves, composition 1627
seeds, germination, culture media 3609
***Litchi***
buds, dormancy, physiology 1904
cultivars
characteristics, Reunion 661
physiology 7037
storage 2531, 4555
temperature 6264
cultural methods, Australia 8210
flowers
development, temperature 6264
initiation, ringing 5286
fruits
abnormalities 662
biochemistry, storage 2531
colour, ripening 3154
composition 8212
cracking
growth regulators 7036
nutrition 7036
physiology 3859

***Litchi** cont.*
fruits *cont.*
cracking *cont.*
reviews 8213
development, physiology 662
drop, growth regulators 5287
ripening
biochemistry 4555, 7035, 9280
growth regulators 7035
physiology 7037
irrigation, fertilizers, application 6263
leaves, composition 8212
nutrients, requirements, analysis 8212, 8418
nutrition
nitrogen 6263
surveys, India 8211
zinc 5287
plant, development, temperature 6264
production, Australia 7139, 8210
ringing, responses 5286
seeds
storage, systems 2530
viability, duration 2530
storage 6265
biochemistry 4555, 9280
temperature 2531
wraps 2531
**Lithium**
metabolism, physiology, beetroots 2098
responses, tomatoes 967
toxicity, onions 2797
***Lithocarpus edulis,*** salinity, tolerance 9029
***Lithospermum erythrorhizon***
plant, composition 1063, 6204
tissue culture, biochemistry 5150
***Lithospermum officinale,*** plant, composition 8079
***Lobesia botrana,*** grapes 163, 3214, 7430-7431, 8639
**Lodging**
cultivars, *Phaseolus vulgaris* 2852
nutrition
*Papaver somniferum* 2412
*Phaseolus vulgaris* 2852
spacing, *Papaver somniferum* 2412
**Loganberries**
diseases, *Phragmidium violaceum* 1360
surveys, Chile 3298
tissue culture, storage 2017
***Lolium multiflorum***
allelopathy 2242
competition, *Festuca arundinacea* 3584
***Lolium perenne***
allelopathy 2242
as cover crops, grapes 2764
cultivars
assessment, USSR 7881
characteristics, USA 1020, 2962, 4382, 7885
diseases 1020, 2962, 4382, 7885
cultural methods, golf courses 2245, 6823
drought, responses 1610
fungicides, tolerance 2243
growth retardation, growth regulators 7156
herbicides
injuries 1021
tolerance 6040
irrigation, requirements, determination 5049
nutrition, nitrogen 422
soilless culture, cultural methods 4385
weed control 2243, 6040
***Lomatium dissectum,*** plant, composition 9171
***Lonchocarpus cyanescens,*** plant, composition 3091
***Lonchocarpus nicou,*** roots, composition 9090
**Longans**
fruits, composition 534
seeds, abnormalities 6266
storage
biochemistry 2532
temperature 2532
tissue culture, embryogenesis 6266-6267
**Longidoridae,** strawberries 4782
***Longidorus,*** grapes 7429
***Longitarsus nigripennis, Piper nigrum*** 3010
***Lonicera,*** species, assessment, USSR 4436
***Lonicera brownii,*** cuttings 3644
***Lonicera caprifolium,*** cuttings 3644
***Lonicera fragrantissima,*** plant, development, assessment 4436
***Lonicera japonica***
as weeds, ornamental plants 6770
herbicides, injuries 6770
shoots, composition 9172
winter hardiness, physiology 4413
***Lonicera periclymenum,*** tissue culture, organogenesis 4629
***Lonicera tatarica***
breeding, selection 3645
hybrids, characteristics, Finland 3645
leaves, composition 3092
pests, *Hyadaphis tataricae* 7947
***Lonicera tellmanniana,*** cuttings 3644
**Loquats**
cultivars
assessment, Turkey 9281
characteristics, Brazil 3155
fruits, quality, environment 7039
nutrients, requirements, analysis 7038
nutrition 7039
production, USSR 5381
reports, Cyprus 731
seeds, composition 9282
***Loranthus parasiticus,*** plant, composition 1697
***Lucuma*** (*see Pouteria*)
***Ludisia discolor,*** leaves, cytology 4407
***Ludwigia octovalvis,*** plant, composition 1697
***Luffa aegyptiaca***
flowers, sex, photoperiodism 4193
seeds, composition 7585
***Lunaria annua,*** seeds, development, biochemistry 4659
***Lupinus,*** plant, composition 2605, 6164
***Luzula nivea,*** landscaping, assessment 2200
***Lycium barbarum***
breeding, selection 7912
leaves, composition 3093
seeds, composition 3120
tissue culture, culture media 9173
***Lycium chinense,*** tissue culture, propagation, callus 4437
***Lycopersicon*** (*see also* Tomatoes)
plant, composition 7141
***Lycopersicon pimpinellifolium***
fruits
composition 8913
size, growth regulators 8913
growth regulators, GA, composition 8913
seeds, composition 8913
***Lycopodium obscurum,*** plant, composition 2395
***Lycopus,*** plant, composition 8079
***Lycoriella, Pleurotus ostreatus*** 3531
***Lycoris guangxiensis,*** bulbs, composition 1147
***Lycoris radiata***
geographical distribution 5045
plant, development, assessment 5044
***Lygus rugulipennis,*** kiwifruits 3299
***Lyophyllum decastes,*** composition 4341
***Lysimachia alternifolia,*** wild plants, edible species 5415
***Lythrum virgatum,*** cultural methods, pot plants 6786
***Maackia amurensis,*** seeds, composition 6205
***Macadamia***
buds, dormancy, physiology 1904
cultivars
nutrition 9283
yields 9283
cultural methods, Italy 2587
disorders, chlorosis 7040
fungicides, responses 2533
growth regulators, ethephon, responses 1210
leaves, composition 9283
nutrients, requirements, analysis 8418
***Macadamia** cont.*
nutrition
calcium 4556
iron 7040
manganese 7040
phosphorus 7040
nuts, drop, environment 663
pests
Pentatomidae 1813
*Toxoptera aurantii* 2533
production, Australia 7139
soil pH, responses 4556
soil types 7040
***Machilus thunbergii,*** plant, composition 4502
***Macrophoma,*** grapes 6566
***Macrophomina phaseolina***
*Capsicum* 3482
*Curcuma longa* 1667
melons 5737
*Phaseolus vulgaris* 4223
***Macroposthonia,*** grapes 7429
***Macrosiphum euphorbiae,*** greenhouse crops 7456
***Macrosteles fascifrons,*** carrots 2934
***Madhuca butyracea*** (*see Diploknema butyracea*)
**Magnesium**
absorption
*Capsicum* 306
cocoa 9323
grapes 158; 851, 4083, 7414, 7419
kiwifruits 2021
passion fruits 674
*Phaseolus vulgaris* 910-911
plums 117
strawberries 2736, 8618
tomatoes 1534, 2923, 7764
*Vaccinium macrocarpon* 6520
vegetables 2082
biochemistry, peas 2875
composition
apples 1948, 3977
*Asparagus* 3468
*Baccaurea sapida* 4604
bananas 682
*Boletus tropicus* 2190
*Bupleurum falcatum* 2353
*Capsicum* 2888
carrots 4978
cauliflowers 5686
chicory 6612
cocoa 4576
coffee 7076
*Flacourtia jangomas* 4604
fruit crops 5414
grapes 2081, 2785
guavas 8279
lettuces 5670
*Macadamia* 9283
mangoes 2556, 5315
melons 6650
peaches 8546
*Phaseolus vulgaris* 5748
plums 8572
*Suillus granulatus* 2190
tomatoes 4331
watermelons 6650
*Ziziphus mauritiana* 8364
deficiency
apples 8478
cashews 3871
coconuts 9336
coffee 3878
*Hydrangea* 6845
kiwifruits 4030
mangoes 8290
tomatoes 4963, 5888, 8896
determination
apples 7272
greenhouse crops 328
*Mentha piperita* 2314
fertilizers
assessment
grapes 7421, 7423
oil palms 9366
oranges 8183
satsumas 3834
metabolism
age, *Capsicum* 299
biochemistry, lettuces 4145

**Magnesium** *cont.*
metabolism *cont.*
bolting, *Bupleurum falcatum* 3730
boron, tomatoes 5903
calcium
melons 5891
pawpaws 1842
tomatoes 4316, 5891
carbon dioxide, celery 7809
cultivars, okras 285
defoliation, apples 5451
disorders, peaches 2677
drought, okras 285
flooding, pecans 7319
fruiting
*Litchi* 8212
loquats 7039
germination, *Euphorbia lathyris* 1783
growth regulators
apples 3246, 7233
mangoes 9359
tomatoes 2921
irregular bearing, mandarins 1203
manganese
*Phaseolus vulgaris* 265
tomatoes 5903
mechanically induced stress, tomatoes 2921
nitrogen
*Amaranthus tristis* 7816
blackberries 128
okras 5843
*Phaseolus vulgaris* 5897
plums 8579
tomatoes 5897
tung 6278
*Vaccinium corymbosum* 2034
nutrition
*Peperomia obtusifolia* 3600
*Schefflera* 2967
phosphorus
celery 7809
coconuts 3876
*Phaseolus vulgaris* 5897
tomatoes 5897
physiology
broccoli 237
kale 884
oranges 1802
pollution, *Phaseolus vulgaris* 909
potassium
blackberries 128
*Capsicum* 305
coconuts 3172
grapes 7386
*Hevea* 8316
*Phaseolus vulgaris* 5897
tomatoes 4966, 5897
pruning, tomatoes 6727
ripening
boysenberries 131
feijoas 3857
salinity
grapes 6562
tomatoes 3496
vegetables 2914
seasonal variation
grapes 6558
kiwifruits 5529
*Menyanthes trifoliata* 6206
peaches 6491
pears 107
tea 4599
tomatoes 329
sodium
Chinese cabbages 2832
melons 5891
tomatoes 5891
soil amendments
guavas 5310
oranges 6254
soil temperature
cabbages 2167
tomatoes 2167
soilless culture, lettuces 219
storage, apples 4710
temperature
*Dieffenbachia maculata* 1027
tomatoes 2166
titanium, tomatoes 6734

**Magnesium** *cont.*
nutrition
*Adiantum raddianum* 5055
apples 7234
aubergines 6703, 6713
*Begonia tuberhybrida* 4368
blackberries 128
cabbages 4879
*Calendula officinalis* 6925
*Capsicum* 6703, 6708
Chinese cabbages 7548
*Citrus* 1794
cocoa 9321
coconuts 2552, 3876
conifers 463
cucumbers 7767
*Gerbera* 5010-5011
grapes 3336, 5594-5595, 7422, 7425
guavas 8280
hops 6888
lettuces 876
mandarins 5272
mangoes 8288
melons 1471, 4896
*Nephrolepis exaltata* 6054
oil palms 3179
oranges 1198, 7023
peaches 5492
radishes 5699
*Rosa damascena* 2318
satsumas 1197
*Simmondsia chinensis* 8135
strawberries 4771
sugarcane 7102
tea 6354
tomatoes 2909, 4966, 6729, 7761, 7766-7767
*Vaccinium* 4048
*Vaccinium angustifolium* 137
watermelons 7601
woody plants 7916
requirements
analysis
avocados 642
*Capsicum* 301-302
*Elettaria cardamomum* 7956
grapes 6557
hazelnuts 7290
limes 9254
okras 3470
pears 4746
peas 273
plums 5522
satsumas 5270
*Sechium edule* 3397
*Tilia platyphyllos* 3652
tomatoes 2907, 4962
*Vaccinium corymbosum* 5548
responses
grapes 2074
medicinal plants 9099
tomatoes 967
*Vicia faba* 925
translocation
apples 5470
broccoli 238
tomatoes 4972
**Magnetism**
responses
tomatoes 8907
watermelons 892
***Magnolia***
diseases, *Pseudomonas syringae* 6772
plant, vascular system 6084
roots, development, growth regulators 1038
shoots, anatomy 1039
tissue culture
culture media 3627
propagation, responses 5000
***Magnolia denudata,*** pollen, ultrastructure 3628
***Magnolia grandiflora***
flowers, fragrance, biochemistry 5074
photosynthesis, biochemistry 3538
planting stock, production, containers 2266
pollen, ultrastructure 3628
***Magnolia liliiflora***
cuttings, sources, juvenility 459
pollen, ultrastructure 3628

***Magnolia soulangiana***
cultural methods, containers 1630
cuttings, sources, juvenility 459
pollen, ultrastructure 3628
roots, development, growth regulators 1038
***Magnolia stellata***
cuttings, sources, juvenility 459
tissue culture, culture media 3627
***Magnolia zenii,*** pollen, ultrastructure 3628
**Magnoliaceae,** plant, vascular system 6084
***Mahonia aquifolium***
soilless culture, growing media 2983
wild plants, utilization 8624
***Mahonia repens,*** planting stock, production, containers 2268
**Malawi**
horticultural crops, cultural methods 4621
tea, cultivars 3892
**Malaysia**
*Hevea,* economics 8309
medicinal plants, surveys 5155
oil palms, cultural methods 9362
***Mallotus japonicus***
fruits, composition 9174
tissue culture, biochemistry 5150
***Mallotus repandus,*** plant, composition 1697
***Malus*** (*see also* Apples)
chilling requirement 8464
cultivars
diseases 1053
ornamental value 5098
frost, resistance, physiology 7917
herbicides, tolerance 6070
landscaping, USSR 3613
pollination, compatibility 3947
rootstocks, characteristics 3947
weed control 6070
***Malus baccata***
as rootstocks, apples 8463
disorders, chlorosis 3961
fruits, composition 1746
nectar 1272
***Malus florentina,*** plant, development, apomixis 3947
***Malus floribunda***
nectar 1272
pollination, compatibility 1297
***Malus honanensis,*** disorders, chlorosis 3961
***Malus hupehensis***
disorders, chlorosis 3961
plant, development, apomixis 3947
***Malus micromalus,*** disorders, chlorosis 3961
***Malus orientalis,*** cultivars, diseases 5426
***Malus purpurea,*** wild plants, utilization 8624
***Malus sieversii,*** taxonomy, nomenclature 4669
***Malus sikkimensis,*** plant, development, apomixis 3947
***Malus spectabilis,*** cuttings, types, summer cuttings 2982
***Malus toringo***
chilling requirement 8464
plant, development, apomixis 3947
***Malus zumi,*** disorders, chlorosis 3961
***Malva glabra,*** cultural methods, Romania 8080
***Malva parviflora,*** as weeds, strawberries 4060
***Malva verticillata,*** seeds, composition 5204
**Malvaceae,** surveys, Mauritius 1895
**Mammals**
almonds 8450
fruit crops 8450
**Mandarins**
as rootstocks
lemons 647
oranges 7028, 8172, 9256
budding
rootstocks, cultural methods 8173
seasons 2515
climate, requirements 3128
cultivars
assessment, USSR 2511-2512
diseases 8186, 9245
disorders 8184

**Mandarins** *cont.*
- cultivars *cont.*
  - dwarf cultivars 8175
  - winter hardiness 2511
- disorders
  - chlorosis 652
  - decline 8185
  - granulation 8184
- frost
  - injuries 3852
  - protection, snow 6246
  - resistance
    - assessment 1790
    - cultivars 2511
    - physiology 8176
- fruits
  - composition 509, 2523, 3846, 3850, 4550-4551
  - degreening, growth regulators 3148
  - flavour, maturity 3848
  - maturity, assessment 3848
  - mechanical properties, assessment 3852
  - quality
    - assessment 3846-3847
    - nutrition 8182
    - position 9270-9271
    - protected cultivation 9271
    - spacing 8175
  - set
    - physiology 8201
    - spacing 8175
  - spectral data 8436
- irregular bearing, nutrition 1203
- irrigation, requirements, determination 3135, 8177, 9252
- leaves
  - composition 1200, 7030, 8168, 8179
  - spectral data 8436
- mycorrhizas 5398
- nutrition
  - boron 1795
  - calcium 8176
  - green manures 5271
  - iron 652
  - manures 8176
  - nitrogen 3128, 3833, 6252, 8176-8177, 8179, 8182
  - phosphorus 3833, 8176
  - potassium 3833, 8176, 8182
  - trace elements 5272
- pests
  - *Ceroplastes rubens* 654
  - *Papilio demoleus* 9264
  - *Virachola isocrates* 3836
- plant
  - composition 6261
  - development, spacing 1195
- planting, spacing 8175
- planting stock, lifting 5268
- protected cultivation, cultivars 2512
- rootstock scion relationships, growth 5265, 7020
- seedlings, development, assessment 3125
- seeds
  - development, physiology 8184
  - sowing, orientation 6243
- statistical methods, experimental design 5263
- storage
  - biochemistry 3149
  - containers 3842
  - diseases 3148
  - packing 8205
  - physiology 8205
  - systems, assessment 8518
  - temperature 3148
  - treatment 8205-8206, 8518
- tissue culture, propagation, embryos 7021
- water relations, nutrition 8177

***Mandragora officinarum***
- plant
  - composition 532
  - morphology 532

***Mandragora turcomanica***, tissue culture, biochemistry 6868

***Manfreda*** *(see Agave)*

**Manganese**
- absorption
  - cocoa 9323
  - dates 9278
  - kiwifruits 2021
  - passion fruits 674
  - pears 7422
  - peas 7670
  - *Phaseolus vulgaris* 268
  - *Pleurotus sajor-caju* 5938
  - strawberries 8618
  - tomatoes 332, 3504, 5880
- composition
  - apples 6434
  - *Asparagus* 3468
  - avocados 5255
  - *Baccaurea sapida* 4604
  - bananas 682
  - *Boletus tropicus* 2190
  - *Bupleurum falcatum* 2353
  - *Capparis decidua* 1821
  - *Capsicum* 2888
  - cauliflowers 6624
  - cocoa 4576
  - coconuts 4577
  - coffee 7076
  - *Flacourtia jangomas* 4604
  - fruit crops 5414
  - fungi 2184
  - grapes 2081, 2785
  - *Macadamia* 9283
  - mangoes 2556
  - melons 6650
  - oranges 6248
  - plums 8572
  - *Suillus granulatus* 2190
  - vegetables 4825, 5731
  - watermelons 6650
  - *Ziziphus mauritiana* 8364
- deficiency
  - cashews 3871
  - grapes 4084
  - mangoes 8288
  - tomatoes 5903
- determination
  - medicinal plants 6164
  - *Mentha piperita* 2314
- fertilizers, assessment, oranges 8183
- metabolism
  - aluminium
    - grapes 7413
    - *Macadamia* 4556
  - biochemistry, lettuces 4145
  - boron, tomatoes 2908
  - calcium
    - pawpaws 1842
    - peaches 798
  - cultivars, grapes 7412
  - disorders, peaches 2677
  - flooding, pecans 7319
  - fruiting, *Litchi* 8212
  - growth regulators, apples 4686
  - irrigation, watermelons 4181
  - light, *Phaseolus vulgaris* 7633
  - mycorrhizas
    - coffee 7071
    - *Rosa multiflora* 4423
  - nitrogen
    - apples 8479
    - blackberries 128
    - cucumbers 5904
    - peaches 798
    - *Phaseolus vulgaris* 2859, 5897
    - spinach 4842
    - tomatoes 2913, 5897, 5904
    - *Vaccinium corymbosum* 2034
    - vegetables 861
  - nutrition, *Peperomia obtusifolia* 3600
  - phosphorus
    - apples 1945, 8481
    - *Phaseolus vulgaris* 5897
    - tomatoes 2908, 5897
  - physiology, broccoli 237
  - potassium
    - *Phaseolus vulgaris* 5897
    - tomatoes 5897
  - ripening, boysenberries 131
  - salinity
    - cucumbers 5904
    - grapes 6562

**Manganese** *cont.*
- metabolism *cont.*
  - salinity *cont.*
    - *Parthenium argentatum* 5246
    - peaches 8549
  - seasonal variation
    - kiwifruits 5529
    - tea 4599
  - soil amendments
    - peaches 4008
    - pecans 4015
  - soil temperature
    - cabbages 2167
    - tomatoes 2167
  - titanium, tomatoes 6734
  - zinc
    - apples 4686
    - tomatoes 3497
- nutrition
  - *Adiantum raddianum* 5055
  - apples 4684-4686, 7238
  - celery 2178
  - *Citrus* 1794
  - cucumbers 4895
  - *Datura stramonium* 5186
  - grapes 2073, 4798, 5596, 6559, 6561
  - guavas 8280
  - *Hevea* 1228
  - *Macadamia* 7040
  - mandarins 5272
  - onions 4112
  - oranges 7023
  - pears 5509
  - *Phaseolus vulgaris* 4208, 4221
  - *Rhododendron* 5547
  - *Rosa damascena* 2318
  - *Saponaria officinalis* 2430
  - strawberries 7368
  - tea 1872
  - *Thymus capitatus* 6232
  - tomatoes 2909, 7761
  - *Vaccinium* 5547
  - *Vaccinium angustifolium* 137
- requirements
  - analysis
    - *Elettaria cardamomum* 7956
    - hazelnuts 7290
    - limes 9254
    - mangoes 8290
    - pears 4746
    - *Tilia platyphyllos* 3652
    - tomatoes 2907, 4967
- responses, medicinal plants 9099
- toxicity
  - *Hydrangea* 6845
  - *Phaseolus vulgaris* 265, 7633
  - vegetables 5731
- translocation
  - broccoli 238
  - peas 7670
  - tomatoes 1531, 4972

***Mangifera*** *(see also* Mangoes)

**Mangoes**
- buds, development, growth regulators 1222
- cultivars
  - assessment, India 5312
  - biochemistry 5315
  - characteristics, Bangladesh 8284
  - growth 9358
  - nutrition 9355
  - pests 4585, 9351
  - processing 5313
- cuttings, treatment 9352
- deblossoming, responses 7083
- diseases
  - *Glomerella cingulata* 5316
  - *Oidium mangiferae* 4586, 5316
- economics, India 8283
- flowers
  - abnormalities 1839, 2556, 5316, 8292-8293
  - development
    - growth regulators 1222, 8286
    - physiology 8292
  - histology 4587
  - initiation
    - physiology 6312
    - water relations 8291
    - waterlogging 7082

**Mangoes** *cont.*
fruits
composition 9361
development, biochemistry 5321
drop, cultural methods 6313
flavour, biochemistry 3882
maturity, assessment 1840, 5322, 8294
ripening
biochemistry 7085
growth regulators 701, 2557
set, histology 4587
grafting
scions
storage 3178
treatment 3178
growth regulators
cytokinins, composition 8293
ethylene, responses 702
growth retardation, growth regulators 8286
insecticides
application 700
residues 6310
intercropping
dates 2528
guavas 8285
peaches 8285
irregular bearing, physiology 6312
irrigation
responses 6313
water, sources 6309
leaves
areas, assessment 5320, 7081
composition 2556, 5315, 6891
reviews 8289
development, growth regulators 1222
marketing, Europe 7138
mycorrhizas 9354
nutrients
absorption, growth regulators 9359
requirements
analysis 7078, 8418
reviews 8289
assessment 6280
nutrition 6313
iron 8288
magnesium 8288
manganese 8288
nitrogen 699, 5314, 5316, 9355
phosphorus 5314, 5316, 8287-8288
potassium 5314, 5316
reviews 8289
surveys, India 8290
pests
*Amritodus atkinsoni* 700
*Apsylla cistellata* 7079
*Aspidiotus* 9356
*Aulacaspis tubercularis* 1838
control, India 5317
*Idioscopus clypealis* 700
*Idioscopus niveosparsus* 700
integrated control, India 5318
*Protopulvinaria mangiferae* 7080
*Sternochetus frigidus* 3880
*Sternochetus mangiferae* 5319
plant
composition 8287, 9220
development, fasciation 9357
pollination, pollinators, insects 7084
pollution, research 7149
processing
cultivars 5313
quality, maturity 1840
production, Australia 7139
products
fats 3946, 5323
gums 702
pectins 9361
resins 702
reports
Berlin 2585
Cyprus 731
research, Chile 2581
rootstock scion relationships
growth 9353
yields 9353
rootstocks, dwarfing 9353

**Mangoes** *cont.*
seedlings
development
abnormalities 6311
biochemistry 6311
seeds
composition 3936, 3946, 5323
germination, irrigation 6309
storage
biochemistry 4588
diseases 9360
treatment 3881, 8295
tissue culture, propagation, embryos 6308
wounds, responses 8292
**Mangosteens**
fruits, composition 1877, 6951
storage
biochemistry 2573
temperature 2573
tissue culture, propagation, micropropagation 9410
***Manihot glaziovii,*** reports, France 8383
***Manihot piauiensis,*** reports, France 8383
***Manilkara*** (*see also* Sapodillas)
***Maprounea guianensis,*** plant, composition 2396
***Maranta leuconeura***
diseases, *Cochliobolus setariae* 3588
plant, development, temperature 2970
***Maranta makoyana*** (*see Calathea makoyana)*
***Marasmius androsaceus,*** composition 2185
***Marasmius palmivorus,*** oil palms 1841
**Marcotting** (*see* Air layering)
**Marigold** (***Calendula***) (*see Calendula officinalis)*
**Marjoram** (*see Origanum)*
***Marjorana*** (*see Origanum)*
**Marketing**
greenhouse crops, Italy 6390
horticultural crops, Europe 7138
ornamental plants
Canada 7833
Europe 7833
USA 7833
**Marrows**
cultivars, assessment, USSR 4179
irrigation
responses 6647
systems 6647
marketing, Europe 7138
mulching, responses 6647
pests, *Bemisia tabaci* 8755
planting, site preparation 6647
pollination, pollinators, Apoidea 6662
protected cultivation
pollination 6662
soil fumigation 6582
systems
greenhouses 6390
plastic film 8755
***Marsdenia cundurango,*** plant, composition 6963
***Marsilea quadrifolia,*** tissue culture, propagation, responses 3591
***Maruca testulalis, Phaseolus vulgaris*** 4905
***Masdevallia,*** species, characteristics, Ecuador 446
***Masdevallia angulifera,*** characteristics 1624
***Masdevallia limax,*** characteristics 1624
***Masdevallia mendozae,*** characteristics 1624
***Masdevallia stroebelii,*** characteristics 1624
***Masdevallia triangularis,*** characteristics 1625
***Masdevallia urosalpinx,*** characteristics 1624
***Masdevallia wageneriana,*** characteristics 1625
***Masdevallia wubbenii,*** characteristics 1625
**Mathematical models** (*see* Statistical methods, mathematical models)
***Matricaria,*** as weeds, cabbages 1447
***Matricaria chamomilla*** (*see Chamomilla recutita)*
***Matricaria matricarioides*** (*see Chamomilla suaveolens)*

***Matthiola incana***
breeding, selection 5021
cut flowers, production, cultural methods 3536
diseases
*Peronospora matthiolae* 5022
*Xanthomonas campestris* 6772
fungicides, injuries 5022
**Mauritius**
fruit crops, cultural methods 7140
horticultural crops, reviews 1895
sugarcane, cultivars 5332-5333
vegetables, cultural methods 7140, 8671
***Maytenus boaria,*** seeds, composition 1148
***Maytenus horrida,*** roots, composition 592
***Maytenus loeseneri,*** leaves, composition 3774
**Meadow voles,** apples 762, 1954
**Mechanically induced stress,** tomatoes 327, 2921
***Meconopsis betonicifolia,*** flowers, initiation 401
***Medicago lupulina,*** as weeds, lawns and turf 7886
***Medicago polymorpha,*** as weeds, strawberries 4060
**Medicinal plants**
conferences 1883, 5376, 6373, 8374
cultural methods
mechanization 4475-4476
Romania 3030
USSR 735
growth regulators
lactones, composition 9382
terpenoids, composition 9382
handling, techniques 5158
insecticides, residues 8010
leaves, histology 2336
plant
composition 1095, 3041
reviews 6162
histology 3041
reports, UK 1893
research, reviews 8006
reviews 1694
surveys
Afghanistan 2334
Bangladesh 9102
Ethiopia 2329
Guatemala 2330, 2333
Hungary 3710
India 1087, 1691, 5157, 6151, 8007-8009, 9101, 9104
Indonesia 2326
Israel 3031
Ivory Coast 1086
Malaysia 5155
Mauritius 1895
Mexico 535, 1703, 2332, 3032
Mozambique 1695
Nepal 3038
Nigeria 1693, 1699
Panama 2337
Papua New Guinea 1088-1089, 3035-3037
Paraguay 3705, 4472
Senegal 3708, 4471
Somalia 2335
South America 5192
Spain 3709
Taiwan 1697
Tanzania 3704
Thailand 1698
Turkey 532
USSR 1700, 3703, 6158
tissue culture, techniques, reviews 3042
**Medicinal properties**
*Abrus precatorius* 5151
*Achillea fragrantissima* 1705
*Achillea lanulosa* 4469
*Achyranthes aspera* 530
*Aconitum heterophyllum* 1704
*Aconitum napellus* 3033
*Aconitum sungpanese* 3044
*Adhatoda vasica* 6906
*Adonis* 1707
*Aegle marmelos* 538
*Aerva lanata* 6171
*Aesculus indica* 540
*Agastache rugosa* 9112

**Medicinal properties** *cont.*
*Ageratum conyzoides* 3669
*Aglaia odoratissima* 541
*Aglaia roxburghiana* 3715
*Ailanthus excelsa* 1696
*Ajuga remota* 3716
algae 2363, 6156-6157, 8057
*Alisma plantago-aquatica* 5159
*Alkanna tuberculata* 532
*Allium* 5016
*Allium chinense* 2343
*Allium suvorovii* 2338
*Allium victorialis* 9116
*Ammi visnaga* 1101
*Amoora rohituka* 543, 3718
*Anagallis arvensis* 8022
*Angelica acutiloba* 1710, 3722
*Angelica shkiokiana* 3050
*Angelica sinensis* 1710
*Anopterus glandulosa* 8024
*Anredera cordifolia* 9118
*Anthocephalus cadamba* 530
*Araujia sericofera* 9119
*Ardisia crispa* 1711
*Ardisia oxyphylla* 1103
*Ardisia solanacea* 6176
*Areca catechu* 3702
*Aristolochia gigantea* 8025
*Arnebia hispidissima* 6165
*Artabotrys hexapetalus* 530, 1104
*Artemisia* 532
*Artemisia absinthium* 1713, 6161
*Artemisia annua* 2346, 3723, 6153
*Artemisia anomala* 549
*Artemisia dracunculus* 3032
*Artemisia judaica* 1107
*Artemisia parviflora* 530
*Artemisia scoparia* 1701
*Artocarpus integer* 3165
*Arum maculatum* 532
*Asarum sagittarioides* 1108
*Asclepias asperula* 4469
*Asparagus racemosus* 530
*Astragalus membranaceus* 3052
*Atractylodes lancea* 1090
*Atractylodes macrocephala* 2347
*Atractylodes ovata* 1090
*Auricularia* 2349
*Azadirachta indica* 1696, 3053, 5164, 9124
*Baccharis megapotamica* 8030
bananas 2550, 3168
*Barleria prionitis* 1696
*Bauhinia manca* 6919
*Bellis perennis* 6156
*Berchemia racemosa* 554
*Betula pendula* 3673
*Bidens pilosa* 3729
*Bischofia javanica* 5165
*Blumea balsamifera* 5166
*Boenninghausenia albiflora* 3054
*Bolbostemma paniculatum* 6921
*Borreria stricta* 555
*Boschniakia rossica* 2351
*Boswellia sacra* 1673
*Brassica* 4169
*Brassica nigra* 1696
breadfruits 8028
*Brucea antidysenterica* 8031
*Brucea javanica* 6153, 8032
*Butea monosperma* 2354, 6922
*Buxus sempervirens* 9129
*Byrsonima crassifolia* 1242
*Caesalpinia decapetala* 3056
*Caesalpinia sappan* 2356-2357
*Calceolaria* 4479
*Calea zacatechichi* 1717
*Calendula* 5153
*Calendula officinalis* 5167
*Calliandra portoricensis* 4480, 5168
*Calluna vulgaris* 1692
*Calophyllum soulattri* 3733
*Calotropis gigantea* 9130
*Calotropis procera* 5170, 9130
*Capparis sepiaria* 1696
*Carapa procera* 6154
*Cardiospermum halicacabum* 3059
*Careya arborea* 3060
carrots 530, 5151
*Cassia alata* 4481
*Cassia fistula* 1696
**Medicinal properties** *cont.*
*Cassia occidentalis* 3059
*Cassytha filiformis* 6178
*Castanospermum australe* 557
*Catha edulis* 1718
*Catharanthus roseus* 3702, 9133
*Celastrus paniculatus* 3737
*Centaurea corcubionensis* 8041
*Centaurea pallescens* 2360
*Centranthus longiflorus* 1114
*Cephaelis ipecacuanha* 3702
*Chamomilla* 5153
*Cheiranthus cheiri* 6156
*Chonemorpha fragrans* 1103
*Chrysanthellum indicum* 1115
*Cigarilla mexicana* 6930
*Cinchona officinalis* 3702
*Cistanche tubulosa* 2365
*Clausena lansium* 3740
*Cleistopholis glauca* 9137
*Cnicus benedictus* 564
*Cochlospermum tinctorium* 2368
cocoa 1692
*Coix lacryma-jobi* 9138
*Combretum caffrum* 1727
*Combretum micranthum* 1119
*Conium maculatum* 532
*Copaifera* 4485
*Corchorus depressus* 3033
*Cordia verbenacea* 3741
*Coriandrum sativum* 3655
*Coriaria myrtifolia* 1120
*Cornus capitata* 6185
*Corydalis bungeana* 1728, 3743
*Corydalis ramosa* 568
*Corydalis remota* 9141
*Corydalis yanhusuo* 3742
*Crataegus laevigata* 3071
*Crataegus sanguinea* 1746
*Croton laccifer* 2373
*Croton macrostachys* 3072
*Croton tiglium* 8005
Cucurbitaceae 1080
*Cudrania cochinchinensis* 5182
*Cuminum cyminum* 6186
*Cuscuta chinensis* 2375
*Cymbopogon proximus* 571
*Cynodon dactylon* 9143
*Dalbergia candenatensis* 1123
*Daphnopsis sellowiana* 9144
*Datura candida* 6938
*Datura stramonium* 3702
*Daviesia latifolia* 9146
*Dehaasia kurzii* 6189
*Desmodium adscendens* 2379
*Dicliptera roxburghiana* 1125
*Dictamnus albus* 1731
*Digitalis purpurea* 6159
*Diospyros* 6191
*Diploknema butyracea* 5188
*Dodonaea viscosa* 6192
*Dorstenia barnimiana* 5189
*Dracaena nitens* 4490
*Dryopteris filix-mas* 6156
*Dysoxylum lenticellare* 6942
*Echinacea purpurea* 1733
*Eleutherococcus senticosus* 8060
*Embelia ribes* 530, 5151, 6194
*Epilobium angustifolium* 577
*Epimedium* 2384
*Epimeredi indica* 6944
*Equisetum* 532
*Eremurus regelii* 2338
*Erythrina sigmoidea* 9152
*Erythrophleum ivorense* 6154
Erythroxylaceae 1895
*Erythroxylum argentinum* 4492
essential oil plants, reviews 508
*Euchresta japonica* 6946
*Eugenia uniflora* 3756
*Eupatorium cannabinum* 1130
*Eupatorium subhastatum* 1131
*Euphorbia acaulis* 6948, 8063
*Euphorbia ebracteolata* 1132
*Euphorbia garuana* 6195
*Euphorbia royleana* 6195
*Euphorbia supina* 1734, 3757
*Euphorbia trigona* 8005
Euphorbiaceae 5192
*Euptelea polyandra* 8064
*Exostema caribaeum* 8065
**Medicinal properties** *cont.*
*Fagara macrophylla* 8066
*Fagopyrum cymosum* 6196
*Fagopyrum tataricum* 5193
fennel 532, 2330
*Ferula* 3079
*Ferula jaeschkeana* 1133
*Ficus glabrata* 1735
*Filipendula ulmaria* 8068
fungi 1094, 4473
*Funtumia africana* 1736
*Garcinia huillensis* 3083
*Garcinia kola* 581, 3762
*Gardenia jovis-tonantis* 4494
garlic 8678
*Gasteria croucheri* 1738
*Ginkgo biloba* 2385, 3764
globe artichokes 871
*Glycyrrhiza* 5153
*Gmelina asiatica* 3033
*Grewia bicolor* 2387
*Grifola frondosa* 1134
*Guatteria gaumeri* 3087
guavas 697
*Gymnema sylvestre* 2388, 9108
*Gynandropsis gynandra* 6199
*Halenia elliptica* 1136
*Hedera nepalensis* 6958
*Hedychium spicatum* 1138
*Heliotropium curassavicum* 5197
*Heliotropium ellipticum* 2389
*Hemidesmus indicus* 1704
*Heracleum thomsoni* 3088
*Heteromorpha trifoliata* 3768
*Hexalobus monopetalus* 9162
*Hibiscus rosa-sinensis* 9163
*Hibiscus sabdariffa* 2330
*Hibiscus syriacus* 1140
*Hilleria latifolia* 6154
*Holarrhena floribunda* 3769
*Holarrhena pubescens* 1704, 1736
horticultural crops 3703
*Hydrastis canadensis* 3702
*Hypericum* 5153
*Hypericum japonicum* 1741
*Hypericum perforatum* 586, 6167
*Hypoxis nyasica* 587
*Hyptis pectinata* 1086, 1142
*Ichnocarpus frutescens* 5199
*Ilex*, reviews 2392
*Ilex paraguariensis* 1692
*Illicium verum* 3032
*Inula brittanica* 6167
*Iostephane madrensis* 3032
*Ipomoea orizabensis* 1143
*Jasonia camphorata* 3676
*Jateorhiza palmata* 588
*Jatropha curcas* 1086
*Juniperus communis* 1692
*Kaempferia galanga* 1743
*Kalanchoe* 1146
*Kalanchoe laciniata* 6201
*Khaya nyasica* 525
*Kochia scoparia* 6962
*Larrea tridentata* 2393
*Laurus nobilis* 532
*Lavandula multifida* 6202
*Lavandula stoechas* 6202
*Lawsonia inermis* 3089, 6203, 9170
*Lentinula edodes* 984-985
*Liatris punctata* 3032
lichens 5202
*Ligusticum porteri* 3032
*Ligustrum vulgare* 4500
*Lippia adoensis* 1745
*Lippia graveolens* 2403
*Lithospermum officinale* 8079
*Loranthus parasiticus* 1697
*Ludwigia octovalvis* 1697
*Lycopodium obscurum* 2395
*Lycopus* 8079
*Mallotus repandus* 1697
*Malus baccata* 1746
*Malva verticillata* 5204
Malvaceae 1895
*Mandragora officinarum* 532
mangosteens 6951
*Melittis sarmatica* 5125
*Mentha* 532
*Mercurialis annua* 1747
*Michelia montana* 2397

**Medicinal properties** *cont.*
*Millettia dielsiana* 3810
*Mitragyna speciosa* 6964
*Mollinedia costaricensis* 9175
*Momordica charantia* 2398-2400, 3034, 6207
*Momordica cochinchinensis* 2401
*Monodora myristica* 6124
*Montanoa frutescens* 2402
*Montanoa tomentosa* 2403, 9176
*Moringa oleifera* 3776, 4503-4504, 6965
*Mortonia diffusa* 9177
*Mucuna birdwoodiana* 2404
*Murraya exotica* 1748-1749, 3777
*Murraya paniculata* 593
*Mutisia acuminata* 3778
*Myrianthus arboreus* 2406
*Myristica dactyloides* 3779
*Myristica fragrans* 3657
*Myroxylon balsamum* 3032
Myrtaceae 4472
*Nardostachys chinensis* 4505, 5207
*Nelumbo nucifera* 530, 1153
*Nepeta meyeri* 6210
*Nerium oleander* 1656, 9179
*Nuphar japonica* 2407
*Nyctanthes arbor-tristis* 3096
*Ocimum americanum* 525
*Ocimum basilicum* 532
*Ocimum gratissimum* 1704, 2408
*Ocimum sanctum* 3781, 5128
*Olax gambecola* 2409
onions 1421, 2338, 6174
*Onychium japonicum* 1697
*Origanum compactum* 4507
*Orthosiphon aristatus* 3784
*Osbeckia chinensis* 3785
*Ottonia frutescens* 8005
*Pachyelasma tessmanii* 6154
*Pachypodanthium staudtii* 6154
*Panax japonicus* 1751
*Panax pseudoginseng* 2411, 3034, 5210
*Papaver* 5211
*Paramichelia baillonii* 8091
*Pararistolochia flos-avis* 8092
*Parthenium hysterophorus* 8093
pears 1692
*Pedicularis pectinata* 5213
*Peganum harmala* 2338
*Penstemon hirsutus* 6969
*Peperomia subespatulata* 4511
*Perezia thurberi* 3032
persimmons 1212
*Petroselinum crispum* 1692
*Phyllanthus fraternus* 6217
*Phyllanthus niruri* 9189-9190
*Phyllanthus sellowianus* 8097
*Phyllanthus urinaria* 1697
*Phytolacca acinosa* 3100
*Picrasma quassioides* 2324
*Picrorhiza kurroa* 1704
*Piliostigma thonningii* 1086
*Pimpinella anisum* 3032, 3039
pineapples 5331
*Pinellia ternata* 1761
*Piper longum* 5151
*Piper marginatum* 9191
*Piper sarmentosum* 1161
*Pistacia lentiscus* 2455
plants 6153
reviews 4470
*Plectranthus* 9192
*Podophyllum* 6218
*Pogostemon auricularis* 9193
*Polygonatum sewerzowii* 2338
*Polygonum amplexicaule* 3792
*Polygonum glabrum* 2418
*Polygonum multiflorum* 607
*Polypodium vulgare* 6156
*Pongamia pinnata* 5215, 9143
*Poria cocos* 2419
*Portulaca oleracea* 608, 2420-2421, 3102-3104, 4516
*Potentilla* 3032
*Potentilla erecta* 6167
*Primula elatior* 1692
*Primula veris* 1692
*Prosopis glandulosa* 609
*Psacalium* 3032
*Psacalium decompositum* 3032
**Medicinal properties** *cont.*
*Psacalium peltatum* 3032
*Psacalium sinuatum* 3032
*Pseudogynoxys cunninghamii* 610
*Pterocaulon purpurascens* 1766
*Pueraria lobata* 8098
*Pulsatilla alpina* 3793
pummelos 3838
*Pygmaeopremna herbacea* 3794, 5217
*Randia ruiziana* 4517
*Raphia farinifera* 6154
*Rauvolfia tetraphylla* 6221
*Rauvolfia vomitoria* 6223
*Rhazya stricta* 6978
*Rheum officinale* 2424
*Rhodiola crassipes* 4519
*Rosa* 473
*Rosmarinus officinalis* 532, 1075, 1680, 3107
*Rumex* 6167
*Rumex nepalensis* 616
*Ruta graveolens* 6161
*Salvadora persica* 2427
*Salvia fulgens* 1169
*Salvia lavandulifolia* 1076
*Salvia microphylla* 1169
*Salvia miltiorrhiza* 1170, 2428, 9198
*Salvia officinalis* 6167
*Salvia triloba* 6145
*Sambucus mexicana* 2330
*Sanguisorba officinalis* 6167
*Sapindus trifoliatus* 619
*Satureja* 3108
*Saussurea lappa* 9201
*Scabiosa atropurpurea* 3802
*Schisandra* 1173
*Schisandra chinensis* 2327, 3803, 6227
*Schisandra propinqua* 9202
*Schubertia multiflora* 6161
*Schumanniophyton magnificum* 620, 2432
*Scilla* 1692
*Scoparia dulcis* 3109
*Scutellaria indica* 3111
*Scutellaria rivularis* 2433
*Selaginella doederleinii* 1770
*Senecio* 3032
*Senecio pendulus* 1083
*Sideritis condensata* 532
*Simarouba amara* 5227
Solanaceae 5153, 9105
*Solanum marginatum* 8110
*Solanum nigrum* 532, 1696
*Solanum spirale* 626
*Solidago* 1692, 4523
*Solidago chilensis* 8111
*Solidago virgaurea* 6228
*Sophora flavescens* 6229
*Spathodea campanulata* 9209
*Spatholobus suberetus* 3810
*Spondias mombin* 1086
*Stemmadenia grandiflora* 6988
*Stephania cepharantha* 2441
*Strychnos trinervis* 2442
*Sweetia panamensis* 8005
*Swertia chirata* 3813, 9213
*Synadenium grantii* 5231
*Synclisia scabrida* 2444
*Syzygium cumini* 6364
*Tagetes filifolia* 3032
*Tagetes lucida* 3032
*Tagetes micrantha* 3032
*Tamarix chinensis* 1697
*Tamus communis* 1773
*Tanacetum parthenium*, reviews 6993
*Taraxacum* 1090
tea 1692, 5351
*Teclea nobilis* 4525, 6230
*Tephrosia candida* 1774, 9095
*Terminalia arjuna*, reviews 2445
*Tetradenia riparia* 2446
*Tetrapleura tetraptera* 1775
*Teucrium polium* 4526, 6996
*Thalictrum cultratum* 632
*Thalictrum glandulosissimum* 2447
*Thymbra spicata* 532
*Tilia* 1179
*Tilia europaea* 6233
*Tinospora cordifolia* 1704, 9217
*Tinospora malabarica* 5236, 7000
*Tribulus terrestris* 3039
**Medicinal properties** *cont.*
*Trichosanthes kirilowii* 2398, 3034
*Triclisia patens* 1180
*Tridax procumbens* 1696, 3819
*Trifolium lupinaster* 1701
*Trigonella foenum-graecum* 3820, 4527
*Tripterygium wilfordii* 1181, 1776, 2448
*Triumfetta rhomboidea* 6236
*Triumfetta semitriloba* 5238
*Tylophora* 3118
*Tylophora indica* 1704
*Ulex europaeus* 6156
*Uncaria tomentosa* 9218
*Ungernia ferganica* 2338
*Ungernia sewerzowii* 2338
*Unonopsis spectabilis* 9219
*Urtica dioica* 1777, 8117
*Vaccinium myrtillus* 4051
*Valeriana* 5153
*Valeriana alliariifolia* 2449
Valerianaceae 5152
vegetables 6159
*Vepris* 3119
*Vernonia colorata* 1086
*Vicoa indica* 5241
*Wedelia chinensis* 1697
*Wisteria floribunda* 2453
*Withania coagulans* 3822
*Woodfordia fruticosa* 1696, 2458
*Zanthoxylum pistacifolium* 1779
*Zingiber cassumunar* 1186
*Zingiber officinale* 7002
*Ziziphora taurica* 7990
*Ziziphus rugosa* 7004
*Ziziphus sativa* 722
*Ziziphus spina-christi* 723
**Mediterranean,** peaches, cultural methods 101
***Melaleuca,*** plant, composition 5110
***Melaleuca leucadendron,*** leaves, composition 7981
***Melampsora hypericorum,*** *Hypericum calycinum* 6110
***Melanagromyza hibisci,*** okras 4278
***Melanaspis glomerata,*** sugarcane 8341
***Melanocallis caryaefoliae,*** pecans 8567
***Melia azadirachta*** (*see Azadirachta indica*)
***Melia azedarach***
fruits, composition 6894
plant, composition 9083, 9103
plant extracts, application, vegetables 7457
seeds, composition 2519
***Melia volkensii,*** fruits, composition 9091
***Melicope triphylla,*** plant, composition 5205
***Melilotus,*** as weeds, onions 2092
***Melissa officinalis,*** research, Italy 6897
***Melittis sarmatica,*** wild plants, utilization, USSR 5125
***Meloidogyne***
coffee 8267
grapes 7429
peaches 2631
*Prunus* 1915
tomatoes 319, 5869, 6724
***Meloidogyne arenaria***
bananas 6289
grapes 2056
tomatoes 8866
***Meloidogyne exigua,*** coffee 3173, 3175, 3879
***Meloidogyne hapla***
carrots 4979
*Rosa nitida* 2995
tomatoes 8866
***Meloidogyne incognita***
bananas 6289
carrots 8921
coffee 3175, 3879, 8268-8275
grapes 2056, 8191
okras 3471-3472, 7708
pawpaws 9373
*Piper betle* 4512
sugarcane 8338
tomatoes 4296, 4968, 5871, 6742-6743, 6891, 8866, 8921
vegetables 3354, 7457

***Meloidogyne javanica***
aubergines 3699
carrots 8921
okras 3471, 7708
peaches 7299
sugarcane 8339-8340
tomatoes 3505, 3698, 6744, 8921
**Melon necrotic spot virus,** melons 4186
**Melons**
cultivars
anatomy 256
assessment
Bulgaria 4176
Pakistan 7577
USSR 7591
characteristics
Hungary 8743
USSR 2787, 7581-7582
diseases 7582
germination 4889, 7587
habit 4196
protected cultivation 5715
storage 4197
yields 4176
cultural methods
containers 6527
economics 4888, 5714
Mauritius 7140
Papua New Guinea 5704
diseases
*Fusarium* 5733
*Macrophomina phaseolina* 5737
melon necrotic spot virus 4186
*Olpidium* 4186
*Pseudoperonospora cubensis* 1473, 4187, 5738
*Sphaerotheca fuliginea* 1476-1477
disorders
chilling injury 905
solar yellowing 905
economics
India 4893
USA 5714
fruits
anatomy 256
composition 184, 2123, 5414
development
biochemistry 6664
cultivars 4196
water relations 4195
quality, assessment 3908
ripening, biochemistry 904, 3404
growing media, composition 1471
growth regulators
ancymidol, responses 5733
GA, responses 5733
paclobutrazol, responses 5733
harvesting, techniques, mechanical harvesting 4973
herbicides
injuries 249, 7593
responses 7594
insecticides, residues 3934, 6656
irrigation
fertilizers, application 7602
requirements, determination 8749
responses 8749
systems 250
water
salinity 2164
sources 2164
marketing, Europe 7138
mulching
economics 5714
materials 250
responses 250, 4183, 5725, 7591
nutrients
absorption, herbicides 8748
requirements, analysis 4893, 6650
nutrition
calcium 1471, 4185, 4896
magnesium 1471, 4896
nitrogen 2120, 4185, 4826, 5725, 5728, 7600, 7602
phosphorus 2120, 4185, 4826, 5725, 5728, 7600
potassium 1471, 4185, 4826, 4896, 5725, 7600, 7602
sodium 4896
zinc 4896
nutritional value 5414
**Melons** *cont.*
pests
*Agrotis* 7140
*Aulacophora* 8754
*Dacus cucurbitae* 8754
*Frankliniella occidentalis* 7607
Tephritidae 7140
plant, development, bacteria 4824
planting, spacing 7600
pollution, industrial wastes 247
protected cultivation
pollination 2851
pruning 8750
systems
greenhouses 5715, 6390
plastic tunnels 5716
temperature 5715-5716
pruning, systems, assessment 8750
reports
Colombia 3213
New Zealand 1892
rhizosphere, microorganisms 4824
roots, development, assessment 5741
seedlings, planting, site preparation 7591
seeds
development, water relations 4195
germination
temperature 4889
tests 7587
water relations 4889
soil fumigation 5737
soil types 4888
soilless culture
growing media 6527
nutrient solutions
composition 5891
salinity 5891
nutrition 5891
storage
biochemistry 906
disorders 1407
quality, morphology 4197
treatment 5744
wraps 5744
tissue culture, disorders, vitrification 4890
transpiration, measurement 8749
water relations, physiology 4195
weed control 249, 7593-7594, 8748
***Mentha***
leaves, composition 1067
plant
composition 532
morphology 532
taxonomy, nomenclature 6904
***Mentha aquatica***
plant
composition 6904
morphology 6904
***Mentha arvensis***
cultivars, yields 9074
growth regulators
GA, responses 9070
IAA, responses 9070
nutrition, nitrogen 9074-9075
plant, composition 9071
planting, spacing 9072
planting stock, types, assessment 9072
taxonomy, chemotaxonomy 9073
***Mentha arvensis* × *Mentha piperita,*** cultivars, characteristics, USSR 4457
***Mentha canadensis,*** tissue culture, biochemistry 6868
***Mentha cervina***
plant
composition 6904
morphology 6904
***Mentha gentilis***
plant
composition 6904
morphology 6904
***Mentha longifolia***
leaves, composition 7968
plant, composition 7982-7983
***Mentha piperita***
books 728
cultivars
assessment, Yugoslavia 4458
diseases 4458
cultural methods, mechanization 4476
***Mentha piperita*** *cont.*
growth regulators
GA, responses 9070
IAA, responses 9070
harvesting, harvesting date, assessment 3679, 9077
leaves, composition 2314
plant
composition 2313, 3680, 4474, 6142, 6904, 9071
morphology 6904
planting stock, production, techniques 9077
taxonomy, chemotaxonomy 3680-3681
tissue culture, metabolites, production 9076
***Mentha pulegium***
plant
composition 6904
morphology 6904
***Mentha rotundifolia,*** taxonomy, chemotaxonomy 7984
***Mentha spicata***
growth regulators
GA, responses 9070
IAA, responses 9070
leaves, composition 7968
plant
composition 6904
morphology 6904
weed control 177
***Mentha suaveolens***
plant
composition 6904
morphology 6904
***Mentha villosa,*** plant, composition 5126
***Mentha villoso-nervata,*** plant, composition 7985
***Menyanthes trifoliata***
leaves, composition 6206
rhizomes, composition 1269
wild plants, utilization, USSR 735, 6158
***Mercurialis annua,*** plant, composition 1747
**Mercury**
absorption, vegetables 1405, 7517
toxicity, *Adhatoda vasica* 9111
***Mesembryanthemum crystallinum***
leaves, senescence 5061
photosynthesis, CAM pathway 5061
**Metabolites**
production
tissue culture
medicinal plants 3042
plants, conferences 2583
***Metacanthus pulchellus, Lagenaria siceraria*** 5740
***Metaphycus varius,*** control, of *Ceroplastes rubens, Citrus* 654
***Metarhizium anisopliae***
control
of Curculionidae, *Citrus* 9262
of *Otiorhynchus sulcatus,* ornamental plants 7188
of *Pyrilla perpusilla,* sugarcane 9398
***Metarhizium flavoviride* var. *flavoviride,*** control, of *Otiorhynchus sulcatus,* ornamental plants 7188
***Metaseiulus occidentalis***
control
of Acari, apples 7245
of Tetranychidae, apples 3250
***Metrosideros carminea,*** frost, resistance, assessment 9027
***Metrosideros excelsa,*** cultural methods, pot plants 6858
***Metrosideros kermadecensis,*** frost, resistance, assessment 9027
**Mexico**
avocados
diseases, surveys 2475
production 2461
flora, books 3913
medicinal plants, surveys 535, 1703, 2332, 3032
*Simmondsia chinensis,* production 8125
***Michelia,*** shoots, anatomy 1039
***Michelia champaca***
grafting, techniques, assessment 7948

***Michelia champaca*** *cont.*
seeds, composition 6152
***Michelia montana,*** plant, composition 2397
***Microbiota decussata,*** as ground cover plants, assessment 7823
***Microcitrus papuana,*** leaves, composition 8168
***Microcyclus ulei***
*Hevea* 6296, 7096-7097
reviews 8318
***Microphysa,*** plant, composition 2304
**Micropropagation** (*see* Tissue culture)
***Microstegium japonicum,*** as weeds, fruit crops 5418
***Microthyriella rubri,*** apples 8485
***Microtis,*** mycorrhizas 2980
***Microtus,*** apples 69
***Microtus montanus,*** apples 1954
***Microtus pennsylvanicus,*** apples 70, 762, 1954
***Microtus pinetorum,*** apples 70, 762
***Mikania micrantha,*** as weeds, *Hevea* 3887
***Mikania urticifolia,*** plant, composition 5206
***Miliusa velutina,*** plant, composition 3122
***Millettia dielsiana,*** roots, composition 3810
***Millingtonia hortensis,*** fruits, set, growth regulators 2281
***Mimosa invisa***
as green manures
*Areca* 9305
coconuts 8260
***Mimulus luteus,*** tissue culture, organogenesis 4347
***Mimusops hexandra,*** pollution, research 7149
**Mint** (*see Mentha)*
***Minthostachys glabrescens,*** plant, composition 5145
***Mirabilis jalapa***
plant, composition 5304
plant extracts, application, *Phaseolus vulgaris* 7996
tissue culture, biochemistry 3025
***Miscanthus sacchariflorus,*** landscaping, assessment 2200
***Mitragyna speciosa,*** leaves, composition 6964
***Molinia caerulea,*** landscaping, assessment 2200
***Mollinedia costaricensis,*** roots, composition 9175
***Mollugo stricta,*** as weeds, *Capsicum* 2151
***Mollugo verticillata***
as weeds
melons 7594
tomatoes 5883
**Molluscicidal properties**
*Acacia* 6149
*Aesculus indica* 1081
*Allium vineale* 2322
*Ambrosia confertiflora* 9084
*Calophyllum* 527
cashews 3872
*Dolichos kilimandscharicus* 6893
*Jatropha gossypiifolia* 6148
*Khaya nyasica* 525
*Lagenaria abyssinica* 525
*Ocimum americanum* 525
*Phytolacca americana* 6148
*Phytolacca dodecandra* 528
*Randia dumetorum* 3026
*Swartzia simplex* 529
*Tetrapleura tetraptera* 6148
**Molybdenum**
composition
cauliflowers 6624
fungi 4341
grapes 2081
melons 6650
watermelons 6650
deficiency
*Phaseolus vulgaris* 8775
poinsettias 7929
metabolism
nutrition
grapes 4798
*Peperomia obtusifolia* 3600
**Molybdenum** *cont.*
metabolism *cont.*
phosphorus
*Brassica juncea* 7952
tomatoes 3499
seasonal variation, *Menyanthes trifoliata* 6206
soil amendments, tomatoes 3499
soil temperature
cabbages 2167
tomatoes 2167
sulphur, *Brassica juncea* 7952
nutrition
*Adiantum raddianum* 5055
*Brassica juncea* 7952
cauliflowers 7549
coconuts 5302
grapes 6559, 6561
peas 2870
poinsettias 2271
*Rosa damascena* 2318
tea 1872
tomatoes 2909, 7761
*Vaccinium angustifolium* 137
*Vicia faba* 2866
requirements, analysis, mangoes 8290
responses, tomatoes 7783
***Momordica charantia***
cultivars
characteristics, India 5709
pests 8739
fruits, composition 2399-2400
plant, composition 3706
seeds, composition 2398, 3034, 6207, 8744
***Momordica cochinchinensis,*** tubers, composition 2401, 3775
***Momordica grosvenorii*** (*see Thladiantha grosvenorii)*
***Monarda,*** cultivars, assessment, German Federal Republic 6796
***Monarda fistulosa***
cultivars, yields 7986
plant, composition 4474, 7986
***Monellia caryella,*** pecans 8567
***Monelliopsis pecanis,*** pecans 2008, 8567
***Monilinia***
apricots 8446
*Capsicum* 7731
cherries 4717, 8446
peaches 1337
***Monilinia fructicola***
plums 1355
stone fruits 3268, 5523
***Monilinia fructigena***
apples 1921, 5426
apricots 1309
*Malus orientalis* 5426
***Monilinia laxa***
almonds 6422
apples 3976
apricots 1309
cherries 6475
peaches 6497
stone fruits 5523
***Moniliophthora roreri,*** cocoa 6298
***Monodora myristica***
fruits, composition 7967
seeds, composition 6124
***Monographella nivalis,*** lawns and turf 2963
***Monosteira unicostata,*** almonds 7215
***Monstera***
cultural methods, interior decoration 7895
leaves, morphology 427
plant, morphology 2968
***Monstera deliciosa,*** cultural methods, pot plants 8997
**Montane voles,** apples 1954
***Montanoa frutescens,*** leaves, composition 2402
***Montanoa gigas,*** plant, composition 1149
***Montanoa tomentosa***
leaves, composition 9176
plant, composition 2403
***Moringa oleifera***
leaves, composition 1268
plant, composition 3776
roots, composition 4503-4504, 6965
seeds, composition 9411
***Moringa oleifera*** *cont.*
utilization, protective plants, pollution 3206
***Moringa ovalifolia,*** utilization, protective plants, pollution 3206
**Morning glories** (*see Ipomoea; Pharbitis)*
**Morocco**
*Argania sideroxylon,* ecology 6237
grapes, production 3322
olives, ecology 1815
***Mortonia diffusa,*** plant, composition 9177
***Morus*** (*see also* Mulberries)
plant, composition 1091
species, diseases 2667
***Morus indica***
cultivars, diseases 2667
tissue culture, propagation, micropropagation 1983
**Mosses,** as weeds, temperate fruits 7208
**Mozambique,** medicinal plants, surveys 1695
**Mucilage**
biochemistry, *Hibiscus syriacus* 1140
composition
*Epidendrum ibaguense* 9022
*Plantago* 2416
quinces 4755
*Sanguisorba minor* 618
***Mucor***
as weeds, *Pleurotus sajor-caju* 1559
grapes 1388
***Mucor piriformis***
peaches 1341
pears 6500
***Mucuna,*** seeds, composition 9178
***Mucuna birdwoodiana,*** plant, composition 2404
***Mucuna pruriens,*** seeds, composition 9178
**Mulberries**
air layering, treatment 1327
cultivars
diseases 2667
identification 4003
cuttings 5488
sources, cultural methods 4725
grafting, techniques, bench grafts 3294
harvesting, techniques, mechanical harvesting 41
landscaping, urban sites 6068
leaves, morphology 4003
planting stock, production, soilless culture 7919
**Mulching**
economics, melons 5714
materials
apples 7230
aubergines 4294
cabbages 1449
cucumbers 3394
horticultural crops 4630, 6385, 8396
lawns and turf 3583
melons 250
strawberries 5562, 8617
tea 1871, 8347
*Telfairia occidentalis* 7597
tomatoes 324-325, 3494
*Zingiber officinale* 9066
responses
apples 1288, 1947, 5450, 7230
broccoli 8728
*Capsicum* 4310, 5860, 8857
carnations 5975
carrots 2934
celeriac 978
Chinese cabbages 8728
*Citrus limettioides* 7022
cocoa 9319
cucumbers 3394
*Cucurbita pepo* 5725
*Curcuma longa* 9054
garlic 6584
globe artichokes 4131
grapes 5583, 5587
lawns and turf 3583
lettuces 4866, 5673
marrows 6647
melons 250, 4183, 5725, 7591
okras 4957
*Papaver bracteatum* 9107
radishes 8728
rhubarb 5846

**Mulching** *cont.*
responses *cont.*
*Rosa multiflora* 2277
strawberries 829, 2039, 2731, 4770, 5558, 5562
tea 1871, 8347
*Telfairia occidentalis* 7597
tomatoes 324-325, 330, 2168, 3494, 4310, 4955, 4957, 6727, 7737-7738, 7757, 8878
*Vaccinium* 4764
*Vaccinium ashei* 2033
vegetables 5623
watermelons 4181
woody plants 7130
***Muntingia calabura,*** trichomes 8427
***Muretia,*** wild plants, edible species 5615
***Murraya exotica***
leaves, composition 1749, 2405
plant, composition 1748, 3777
***Murraya koenigii,*** roots, composition 5178
***Murraya paniculata***
irrigation, responses 2988
plant, composition 6208
roots, composition 593
***Musa*** (*see also* Bananas)
***Musanga cecropioides,*** as weeds, oil palms 5325
***Muscari,*** cultivars, assessment, Czechoslovakia 2221
***Muscari comosum***
bulbs, composition 1150
chromosomes 2236
***Muscari neglectum,*** bulbs, composition 5046
**Mushroom compost**
utilization
fertilizers, plants 7818
growing media
plants 7818
*Tagetes patula* 860
vegetables 860
**Mushrooms**
biochemistry 2183
browning 6767
biochemistry 5936
buildings 4986
climate, control 5934
casing 4987, 7819
composition 1553-1554, 2184-2185, 3520, 6766
cultivars
storage 4340
yields 2180, 4338
diseases
control 4339, 7819
*Mycogone perniciosa* 3519
*Verticillium fungicola* 2182, 3519
viruses 5935
economics, India 6765
growing media
composition 1552, 4338, 7818
production 362, 4988-4990
utilization 2183
water relations 4338
packing, materials 8441
reports, Irish Republic 3212
storage
cultivars 4340
diseases 4991
disorders 1407
physiology 3520
quality, cultural methods 4991
systems, cold storage 4340
temperature 6767
treatment 4991
**Mutagens,** determination, mangoes 3881
***Mutisia acuminata,*** plant, composition 3778
***Mycocentrospora acerina,*** carrots 8930
***Mycogone perniciosa,*** mushrooms 3519
**Mycorrhizas**
*Acorus calamus* 6170
almonds × peaches 1994
*Asparagus* 2880
bananas 6288
*Calypso bulbosa* 9019
*Capsicum* 5855-5856, 7720
chestnuts 4000-4001
*Chrysanthemum coronarium* 5563
*Citrus* 4539
**Mycorrhizas** *cont.*
*Citrus volkameriana* 649
cocoa 9322
coconuts 4578, 8260
coffee 4580, 7071-7072
container grown plants 2280
grapes 5593
horticultural crops 5398
*Lavandula spica* 1066
leeks 7469, 7720
Leguminosae 5397
limes 649, 8189
mangoes 9354
*Microtis* 2980
*Narcissus poeticus* 7871-7872
onions 865, 1416, 5640
*Ophrys lutea* 5066
oranges 649
Orchidaceae 2980, 4406, 6060-6061, 9017-9018, 9020
*Parthenium argentatum* 5246
peas 4243, 5798-5799
*Phaseolus vulgaris* 7628-7629
*Pittosporum tobira* 1658
plants, reviews 1262
*Pterostylis* 4405
*Rosa multiflora* 2277, 4423
*Solanum quitoense* 6279
strawberries 5563
surveys, Japan 5398
tomatoes 4315
***Mycosphaerella brassicicola,*** Brussels sprouts 5690
***Mycosphaerella chaubattiensis,*** pears 4013
***Mycosphaerella citri,*** oranges 5274
***Mycosphaerella fijiensis* var. *difformis,*** bananas 7060
***Mycosphaerella fragariae,*** strawberries 7365
***Mycosphaerella maculiformis,*** chestnuts 5487
***Mycosphaerella pinodes,*** peas 4247
***Mycosphaerella sentina***
pears 5503
*Pyrus* 5503
***Mylloceras nigrosuturalis,*** peaches 8552
***Myosotis,*** cultural methods, pot plants 1010
***Myosoton aquaticum,*** as weeds, sugarcane 6333
***Myrianthus arboreus,*** plant, composition 1151, 2406
***Myrica esculenta***
plant
anatomy 8081
composition 8081
***Myrica rubra***
characteristics 9409
fruits, maturity, assessment 9301
salinity, tolerance 9029
***Myristica,*** reports, India 7134
***Myristica argentea,*** seeds, composition 5101
***Myristica dactyloides,*** plant, composition 1750, 3779
***Myristica fragrans***
cultural methods, agroforestry 2546
seeds, composition 2302, 3657, 5101
***Myristica muelleri,*** seeds, composition 5101
***Myrothecium,*** *Aphelandra squarrosa* 7937
***Myrothecium verrucaria,*** *Callistephus chinensis* 6007
***Myroxylon balsamum,*** plant, composition 1675, 3032
**Myrtaceae,** plant, composition 4472
***Myrtus***
herbicides, injuries 6071
planting stock, production, containers 6071
weed control 6071
***Myrtus communis***
plant
composition 5154
reviews 594
seeds, composition 6112
***Myzus persicae***
aubergines 6714
*Capsicum* 953
chrysanthemums 380
greenhouse crops 7456
***Myzus persicae*** *cont.*
lettuces 5672
peaches 8550
tomatoes 5913
***Narcissus***
breeding, UK 6813
bulbs
development, temperature 6804
treatment 2955
cultivars
breeding 6813
flowering 6814
cultural methods, mechanization 6023
cut flowers
breeding 6813
production, cultural methods 6814
senescence 4377
diseases
*Botrytis* 7870
*Penicillium* 7870
*Sclerotinia bulborum* 2955
*Sclerotinia narcissicola* 4375
flowers, composition 5036
leaves, composition 3572
plant, composition 1907
planting
seasons 6814
spacing 6023
sap, composition 2948
tissue culture, propagation, micropropagation 5028
***Narcissus juncifolius,*** plant, composition 2231
***Narcissus poeticus***
flowers, physiology 8983
mycorrhizas 7871-7872
***Narcissus pseudonarcissus***
bulbs
composition 8968
quality, assessment 7873
flowers, development, biochemistry 1605
***Nardostachys chinensis***
plant, composition 3094, 4505, 5207
roots, composition 1152
**Natsudaidais**
diseases, *Xanthomonas campestris* pv. *citri* 7025
fruits, composition 184
storage, systems, assessment 9273
***Nauclea cadamba*** (*see Anthocephalus cadamba*)
**Nectar**
plants 3620
temperate fruits 1272
*Vicia faba* 8799
**Nectaries**
*Ajuga reptans* 8800
Orchidaceae 6841
plants 3620
*Vicia faba* 8799-8800
**Nectarines**
buds, dormancy, temperature 6493
chilling requirement 6493
cultivars
assessment
Chile 3273
Romania 7296
USA 5489
biochemistry 95
characteristics
Brazil 2670
Bulgaria 97
Italy 45
chilling requirement 5489
diseases 1328, 5518, 7296
disorders 2680
flowering 7294
physiology 5499
ringing 797
storage 1342
winter hardiness 99, 7296
cultural methods, Philippines 748-749
cuttings, cultural methods, reviews 8536
diseases, *Pseudomonas syringae* pv. *persicae* 7210
disorders, woolliness 803, 1342, 2680
flowers
development, temperature 6493
initiation, growth regulators 3280

**Nectarines** *cont.*
flowers *cont.*
thinning, growth regulators 5498
frost, resistance, cultivars 99, 7296
fruits
composition 765, 4661, 7296, 8558
cytology 5499
development
growth regulators 3281
physiology 5499
ripening, temperature 803
set, growth regulators 3280
thinning, growth regulators 5498
growth regulators
paclobutrazol
application 5494
responses 1383
triazoles, responses 8448
growth retardation, growth regulators 5494
harvesting, equipment 5420
insecticides, responses 4740
marketing, Europe 7138
nutrition
nitrogen 7368
phosphorus 7368
potassium 7368
pests
*Cydia pomonella* 4740
*Quadraspidiotus perniciosus* 7305, 7307
production, Chile 7204
reports
Cyprus 731
German Federal Republic 17
New Zealand 1892
ringing, responses 797
seeds, development, apomixis 3281
storage
diseases 5500
disorders 2680, 5500
quality, temperature 803
temperature 1342
training, systems 46
***Nectria cinnabarina,*** woody plants 1631
***Nectria galligena,*** apples 3238, 3965, 7217, 8483
***Nectria radicicola,*** *Lilium* 2220
***Nelumbo lutea,*** tissue culture, propagation, embryos 7890
***Nelumbo nucifera***
leaves, composition 1153, 8932
seeds, composition 530
***Nematanthus gregarius,*** cultural methods, pot plants 7891
**Nematicidal plants,** plant, composition 5141
**Nematicidal properties**
*Achillea santolina* 3698
*Ageratum conyzoides* 7995
*Alomia fastigiata* 7995
*Amaranthus* 6891
*Areca catechu* 2345
*Azadirachta indica* 6743, 7457
*Calophyllum inophyllum* 6891
*Calotropis gigantea* 6891
*Calotropis procera* 3699
*Cannabis sativa* 6891
*Chenopodium amaranticolor* 6891
*Datura metel* 6891
*Datura stramonium* 3699, 9081
*Eclipta alba* 6891
*Euphorbia tinctoria* 3698
garlic 3356
*Heliotropium europaeum* 3698
*Ipomoea carnea* 9081
*Lawsonia inermis* 9081
*mangoes* 6891
*Melia azedarach* 7457
*Serratula cerinthefolia* 3698
*Shorea robusta* 6891
*Tagetes* 6744
*Tagetes minuta* 7995, 8001
*Tagetes patula* 7995, 9081
tea 6891
*Vernonia condensata* 7995
*Vernonia polyanthes* 7995
*Xanthium strumarium* 3699
**Nematicides**
aldicarb
application
grapes 4803
tomatoes 4968
injuries, strawberries 4783
residues, grapes 4803
carbofuran
application
coffee 8273
tomatoes 4968
responses, pineapples 8308
DD methylisothiocyanate, responses, tomatoes 3505
dimethoate
application
coffee 8273
tomatoes 4968
ethylene dibromide
responses
aubergines 4971
tomatoes 4971
fenamiphos
application, grapes 4803
injuries, strawberries 4783
residues, grapes 4803
responses, pineapples 8308
fensulfothion, application, tomatoes 4968
metham, application, vegetables 8921
oxamyl
application, coffee 8273
responses
aubergines 4971
tomatoes 4971
phorate, application, tomatoes 4968
**Nematoda**
coffee 8267
plants, reviews 7183-7185
raspberries 4761
roses, reviews 6853
strawberries 4773
sugarcane 8336-8337, 8340
reviews 8334-8335
tomatoes 6724, 7742
*Vaccinium* 4764
***Neoaplectana carpocapsae***
control
of *Amyelois transitella,* almonds 3233, 8453
of *Prionoxystus robiniae,* figs 6484
of *Scapteriscus,* lawns and turf 8993
***Neoaplectana feltiae,*** control, of *Leptinotarsa decemlineata,* aubergines 179
***Neoaplectana glaseri,*** control, of *Neoplinthus tigratus, Ruscus* 8998
***Neoleucinodes elegantalis,*** tomatoes 4959, 5913
***Neomaskellia bergii,*** sugarcane 7103
***Neopaulia ovczinnikovii,*** wild plants, edible species 5615
***Neoplinthus tigratus,*** *Ruscus* 8998
***Neorautanenia mitis,*** roots, composition 1687
***Neoseiulus cucumeris***
control
of *Frankliniella occidentalis*
cucumbers 7607
melons 7607
***Neoseiulus longispinosus,*** control, of *Tetranychus kanzawai,* tea 9404
**Nepal**
ferns, surveys 4389
medicinal plants, surveys 3038
***Nepeta cataria,*** plant, composition 1068, 3780
***Nepeta hindostana,*** plant, composition 6209
***Nepeta meyeri***
plant
composition 6210
development, assessment 6210
***Nepeta nuda***
plant, morphology 5127
shoots, composition 5127
***Nepeta tuberosa,*** plant, composition 3682, 6877, 6966
***Nephelium*** (*see also Litchi;* Longans; Rambutans)
***Nephrolepis,*** spores, germination 3587
***Nephrolepis biserrata,*** as weeds, *Hevea* 3887
***Nephrolepis exaltata***
cultural methods, pot plants 442, 6048, 7891, 9006
diseases, *Rhizoctonia solani* 442, 9006
growing media, composition 6048
nutrients, absorption, humidity 2940
nutrition, iron 4391
photosynthesis, light 430
tissue culture
culture media 3598
propagation
responses 6054
techniques 3592, 3597
***Nerine,*** reports, New Zealand 1892
***Nerine bowdenii***
breeding, diseases 2220
cut flowers, preservatives 413
***Nerium oleander***
cultivars
flowering 7949
growth 7949
fruits, composition 1744
leaves, composition 1656, 9179
nutrition, potassium 3646
plant, composition 5382
planting stock, production, containers 2268
pollen, germination, herbicides 4425
pollution, heavy metals 3003
transpiration, salinity 3646
***Nesidiocoris caesar***
control, of Hemiptera, *Lagenaria siceraria* 5740
*Lagenaria siceraria* 5740
**Netherlands**
apples
cultivars 1278-1279, 1282, 1926-1927, 1930, 4671, 5423, 6427
cultural methods 1279
*Asparagus,* cultivars 3463, 8838
blackberries, cultivars 2025
broccoli, cultivars 2825-2826
cabbages, cultivars 7528, 7531
carnations
cultivars 5972
cultural methods 5957
carrots, cultivars 7794
cauliflowers, cultivars 4874
cherries
cultivars 1972
economics 1978
chrysanthemums, cultivars 1570
cucumbers, cultivars 6640, 8740-8741
cut flowers
marketing 7833
production, carnations 5951, 5956
cut foliage, marketing 7833
endives, cultivars 5662, 6613, 8710
horticultural crops
cultivars 3921
marketing 7138
hyacinths, cultivars 8974
kohlrabi, cultivars 223
lettuces, cultivars 4133-4134, 4864, 5663, 8711
*Lilium*
breeding 8979
cultivars 8980
pears
cultivars 5502
production 5501-5502
plums
cultivars 5517
cultural methods 5517
rootstocks 5517
pot plants, marketing 7833
radishes, cultivars 6635
raspberries, cultivars 7345
rhubarb, cultivars 4279
strawberries, cultivars 4056, 4766, 7359
tomatoes, cultivars 4299, 8867-8868, 8870
tulips, cultivars 2956
**New journals**
agriculture
India 6365
Norway 2578
horticultural crops, Italy 4607

**New journals** *cont.*
plant, reproduction 6366
plant science, India 3906
**New Zealand**
apricots, cultivars 6467
*Asparagus*
cultivars 280, 7702
diseases, control 283
chicory
cultivars 3370
cultural methods 3370
grapes, cultivars 6546
onions
diseases, control 194
production 187
***Nezara viridula***
*Macadamia* 1813
tomatoes 324
***Nicandra physalodes***
grafting, unions, anatomy 1253
wild plants, edible species 5415
**Nickel**
absorption
*Pleurotus sajor-caju* 5938
plums 117
spinach 7497
tomatoes 6733
composition
apples 6434
fungi 2184, 4341
melons 6650
oranges 6248
tea 721
watermelons 6650
metabolism, biochemistry, lettuces 4145
requirements, analysis, okras 3470
toxicity
spinach 7497
tomatoes 1531
**Nigeria**
*Amaranthus*, cultivars 7815
*Citrullus colocynthis*, cultural methods 3393
*Cola nitida*, production 2554
medicinal plants, surveys 1693, 1699
okras, cultural methods 3393
*Trigonella foenum-graecum*, cultural methods 6234
*Zingiber officinale*, research 6135
***Nipaecoccus viridis***, horticultural crops 4650
**Nitidulidae**, pollinators, atemoyas 4563
***Nitraria sibirica***, plant, composition 3095
**Nitrates**
absorption, *Aranda* 5065
composition
beetroots 4839, 7797
*Capsicum* 4280
carrots 2931, 7797
Chinese cabbages 3387
kale 5698
lettuces 4870
peas 929
tomatoes 1526, 4331
vegetables 2089, 4830, 5628
determination, lettuces 4873
metabolism
age, *Capsicum* 299
cultivars
lettuces 879, 1436
turnips 4877
cultural methods, lettuces 222
diurnal variation, tomatoes 5916
harvesting date, turnips 4877
light
lettuces 5667
radishes 4173
nutrition
cucumbers 893
essential oil plants 2298
fennel 3516
lettuces 5667, 5669
spinach 4841
turnips 4877
physiology
beetroots 2098
oranges 1802
pollination, cucumbers 2838
salinity, tomatoes 323
seasonal variation
carrots 5922

**Nitrates** *cont.*
metabolism *cont.*
seasonal variation *cont.*
*Citrus* 648
tomatoes 329
soilless culture, lettuces 219
translocation, broccoli 238
**Nitric oxide**
toxicity
greenhouse crops 4631
peas 2872
**Nitrites**
absorption, peas 7681-7682
composition, carrots 2931
metabolism, soilless culture, lettuces 219
**Nitrogen**
absorption
apples 8480
*Aranda* 5065
*Capsicum* 306, 3480
chicory 872
cocoa 9323
dates 9278
grapes 1380, 7414
Jerusalem artichokes 872
kiwifruits 2021
kohlrabi 5650
melons 8748
passion fruits 674
peas 274, 5800
plants 5399
spinach 5650
strawberries 145, 2736, 8618
sugarcane 1235
tomatoes 330, 1534-1535, 2923, 8899
*Vaccinium corymbosum* 2034
composition
almonds 3945
apples 64, 3977
*Asparagus* 3468
*Capsicum* 2888, 4280
cauliflowers 6624
coffee 7076
*Flammulina velutipes* 1554
grapes 2081
guavas 5309
*Macadamia* 9283
mangoes 2556, 5315
melons 6650
mushrooms 1554
peaches 8546
plums 8572
poinsettias 1636
sugarcane 1858
*Thymus* 3662
watermelons 6650
conservers
apples 5457
*Cucurbita moschata* 2845
lettuces 875
peas 8811
radishes 244
*Rhododendron obtusum* 6089
spinach 4843
deficiency
apples 8478
avocados 6241
cashews 3871
*Chamomilla recutita* 3015
coconuts 9336
coffee 3878
grapes 158
hops 3692
*Hydrangea* 6845
lettuces 218-219
mangoes 8290
melons 5728
pineapples 3182
*Piper nigrum* 3659
tomatoes 2908, 8885
vegetables 861
determination, greenhouse crops 328
exudation, tomatoes 6725
fertilizers
assessment
*Antirrhinum* 7834
apples 1947, 8479
bananas 3167
blackberries 128

**Nitrogen** *cont.*
fertilizers *cont.*
assessment *cont.*
*Brassica juncea* 9049
broccoli 237-238
cabbages 3376
*Capsicum* 305, 2887
cauliflowers 2831, 5685
chrysanthemums 6778
container grown plants 368
cucumbers 5729, 7771
*Cucurbita moschata* 2845
*Cucurbita pepo* 2844
grapefruits 9255
grapes 7418
hops 3693
lawns and turf 422, 1022-1023
lettuces 4139, 4870, 5669, 7518
mandarins 6252
*Mentha arvensis* 9075
nectarines 7368
oranges 650, 3140
peaches 7368, 8547
peas 4918, 8811-8812
*Phaseolus vulgaris* 7630
pistachios 7368
*Poa pratensis* 8991
*Rhododendron obtusum* 6089
*Simmondsia chinensis* 9231
spinach 4843
strawberries 2737, 7368
sugarcane 1233, 1235, 3889
tea 2572, 8354-8355
tomatoes 330, 332, 4963, 5898, 5900-5901, 7765, 7771
*Vaccinium corymbosum* 2034, 5550
*Vicia faba* 6683
woody plants 2283
fixation
*Cyamopsis tetragonoloba* 2869
Leguminosae 5397
peas 2874, 4242, 4244, 5791, 6688, 7667
*Phaseolus lunatus* 5755
*Phaseolus vulgaris* 1487, 2858, 3413-3414, 4211, 4214-4217, 6672, 6674, 7629
*Psophocarpus tetragonolobus* 4271
tomatoes 4315
*Vicia faba* 5773, 6680, 6682, 8791
reviews 2866
metabolism
biochemistry
peas 2140, 7681-7682
*Phaseolus vulgaris* 4214
spinach 2099
tea 3902
boron, tomatoes 5903
calcium
pawpaws 1842
tomatoes 4316
carbon dioxide
celery 7809
tomatoes 1535
chromium, *Datura stramonium* 5185
cultivars
grapes 7412
lettuces 1436
okras 285
tomatoes 7769
defoliation, apples 5451
diurnal variation, tomatoes 5916
drought, okras 285
flooding
*Citrus* 4539
pecans 7319
flowering, *Thevetia peruviana* 3651
fruiting
*Litchi* 8212
loquats 7039
fungicides, tomatoes 344
germination, *Psophocarpus tetragonolobus* 1516
growth, tomatoes 2913
growth regulators
apples 3246, 6454, 7233
cherries 4722
mangoes 9359
peaches 4729

**Nitrogen** *cont.*
metabolism *cont.*
growth regulators *cont.*
*Phaseolus vulgaris* 2861
small fruits 7335
*Thevetia peruviana* 3651
herbicides, plums 8579
humidity, *Nephrolepis exaltata* 2940
iron, pears 5509
irregular bearing, mandarins 1203
irrigation
*Phaseolus vulgaris* 8772
radishes 8737
light, spinach 4846
magnesium, blackberries 128
manganese
pears 5509
tomatoes 5903
mulching
*Telfairia occidentalis* 7597
tomatoes 6727
mycorrhizas
coffee 7071
*Phaseolus vulgaris* 7628
*Pittosporum tobira* 1658
nutrition
grapes 5596
peaches 7303
pistachios 7368
radishes 7569
*Schefflera* 2967
phosphorus
*Brassica juncea* 7952
celery 7809
coconuts 3876
physiology
almonds 49
broccoli 237
carrots 4337
*Narcissus juncifolius* 2231
peas 8810
*Phaseolus vulgaris* 916, 8773
pollution, *Phaseolus vulgaris* 909
pruning
grapes 4805
peaches 8544
rooting
apples 5442
*Pyrus pyrifolia* 8560
rootstock scion relationships
apples 5438
pears 4745
salinity
coconuts 9337
grapes 161
seasonal variation
apples 64, 8476
avocados 2472
*Citrus* 648
grapes 853, 4805, 6558, 7415
guavas 5308
kiwifruits 5529
mangoes 9355
olives 9294
peaches 8545
pears 107
peas 5800
tea 4599
senescence, *Thevetia peruviana* 3651
soil amendments
guavas 5310
oranges 6254
soil structure, lawns and turf 3585
soil temperature, lawns and turf 3585
soil water, lawns and turf 3585
sulphur
aubergines 4944
*Brassica juncea* 7952
broccoli 5857
*Capsicum* 5857
temperature
cucumbers 2119, 2837
*Phaseolus vulgaris* 1491
tomatoes 1535, 2166, 7769
*Vicia faba* 6683
tissue culture, *Senecio hybridus* 7853
water relations, tomatoes 6725

**Nitrogen** *cont.*
metabolism *cont.*
zinc, pears 5509
nutrition
*Adiantum raddianum* 5055
*Agave fourcroydes* 2321
almonds 4666
*Amaranthus tristis* 2937, 7816
*Anethum graveolens* 2294-2298
*Aphelandra squarrosa* 7937
apples 61-63, 65, 1947, 1952, 2627, 3958-3959, 4683-4684, 5459-5460, 6435, 6464, 7234, 7236-7237, 8477
apricots 86, 1970
*Armoracia rusticana* 502, 5102
*Asparagus* 7703
*Atropa belladonna* 5163
aubergines 2157, 4944, 6703, 6713
avocados 2474, 5253, 8164
bananas 4567, 6288, 8234
*Basella alba* 7814
beetroots 4839
*Begonia* 406
*Begonia tuberhybrida* 4368
blackberries 128
*Brassica* 4158
broccoli 233-234, 2109, 5685, 5857, 7547
cabbages 4879, 5685, 6625-6626, 6628, 7546, 7562, 8722
*Calendula officinalis* 6925
*Capsicum* 295, 304, 306, 952, 3481, 3483, 4288, 4291, 6703, 6707-6708, 7719, 7721, 8856, 8858
carnations 5954
carrots 2176, 2931-2932, 3509
*Carum carvi* 6123
cashews 4571-4572
*Catharanthus roseus* 3061
cauliflowers 2827, 3379, 5685, 6627, 6629
celery 977, 2177-2178, 7809
*Chamomilla recutita* 512
cherries 1977, 2664, 4722
chicory 6610
Chinese cabbages 3387, 4160, 6630, 7548
chrysanthemums 2941, 7838
*Citrus limettioides* 1202
cocoa 5300, 8255, 9321
coconuts 3172, 3876
coffee 8264
conifers 463
container grown plants 460
*Costus speciosus* 2372
*Crocus* 2949
cucumbers 893, 4895, 5904, 7767, 8752
*Cucurbita maxima* 5727
*Cucurbita pepo* 861, 5725
*Cuminum cyminum* 3006
*Curcuma longa* 2301, 6864
*Cyamopsis tetragonoloba* 2136
*Cymbidium* 7911
*Cymbopogon* 2308
*Daphne cneorum* 1050
*Daphne mezereum* 1050
dates 2527
*Datura metel* 9145
*Datura stramonium* 9145
*Dieffenbachia maculata* 1027
*Dioscorea deltoidea* 2380
*Eremochloa ophiuroides* 8990
essential oil plants 2331
*Eucalyptus* 2312, 7944
*Euonymus japonicus* 1041
*Euphorbia lathyris* 640
*Eustoma grandiflorum* 6011
fennel 3516
*Ficus benjamina* 5088
*Ficus lyrata* 4397-4398
foliage plants 5051-5053, 8996
garlic 6584
*Gerbera* 5010-5012
*Gladiolus* 5033
grapefruits 9255
grapes 154, 850, 1385, 2069-2072, 2074, 2770, 3336-3337, 4076, 5596, 6541-6542, 6559, 7386, 7413, 7416-7417, 7419

**Nitrogen** *cont.*
nutrition *cont.*
guavas 4583
hazelnuts 7291
*Hevea* 8316
*Hibiscus rosa-sinensis* 1651
*Hippophae rhamnoides* 2046
hops 3691, 3694, 6888
horticultural crops 8397
*Iris* 8978
jackfruits 6283
*Kalanchoe blossfeldiana* 7903
*Lagenaria siceraria* 4277
lawns and turf 423-424, 1022, 2246, 6043-6044, 7889
leeks 7546
lemons 2518
lettuces 218-219, 861, 4142-4143, 5665-5668
*Lilium* 8981
*Limonium* 4361
*Litchi* 6263
*Malva glabra* 8080
mandarins 3128, 3833, 8176-8177, 8179, 8182
mangoes 699, 5314, 5316
medicinal plants 2331
melons 2120, 4185, 5725, 5891, 7600, 7602
*Mentha* 9071
*Mentha arvensis* 9074
*Nephrolepis exaltata* 6054
*Ocimum basilicum* 2298
*Ocimum kilimandscharicum* 2315
oil palms 3179
okras 288, 4277, 5843, 7707, 8842
olives 9290, 9295
onions 192, 1413, 4112, 4834, 5645, 7486-7487, 8685
oranges 651, 3141, 6253, 8181, 8202, 9255, 9269
*Papaver* 3787
*Papaver nudicaule* 5023
*Papaver somniferum* 2412
peaches 798, 1995, 4736, 5492, 7303
pears 106, 4012
peas 275-276, 2870, 2874, 3451, 4245, 4917, 5802-5803, 7667
*Peperomia obtusifolia* 3600
*Phaseolus vulgaris* 262-263, 913-914, 1487, 2852, 2859, 3412, 3414, 4207-4208, 4210, 4213, 4216-4217, 5897, 6674, 7631, 8772
pineapples 705, 2562, 3182, 7092
*Piper nigrum* 3009
plums 3289, 8578-8580
poinsettias 5076
*Polianthes tuberosa* 2237, 2959
*Psophocarpus tetragonolobus* 3462
pumpkins 5726
radishes 888, 4887, 5699, 5703, 6639, 7569-7570, 8737
raspberries 7350
red currants 7343
*Rhododendron* 1041, 5077-5078
*Rhododendron japonicum* 472
*Rhododendron obtusum* 6089
*Rosa damascena* 2318
*Rosa multiflora* 4423
*Rubus glaucus* 1366
*Salvia officinalis* 6878, 6881
satsumas 1197, 3145, 4540
*Schefflera* 4401
*Simmondsia chinensis* 8135, 8145, 9232, 9234
spinach 4841-4842, 4847
*Stevia rebaudiana* 7010
strawberries 830, 2734, 3313-3314, 4061, 4771, 7355, 8619
sugarcane 1233, 1859-1860, 1863, 2567, 3188, 3190, 4592, 5338, 5341, 6340, 7101, 8331, 9386, 9391
reviews 715, 9392
*Syngonium podophyllum* 498, 1030
*Syzygium aromaticum* 6130
*Tagetes erecta* 7855-7856
tea 720, 3196, 3895-3898, 4599, 6353-6354, 8353, 8356, 9401

**Nitrogen** *cont.*
nutrition *cont.*
tomatoes 331, 335, 861, 966, 1529, 2156, 2904, 2906, 2909-2913, 4317, 4961, 5879-5880, 5891, 5895, 5897, 5904, 5917-5918, 6729, 6733, 7761, 7766-7768, 8883, 8892, 8895
tulips 414
tung 2544, 6278
turnips 4877
*Vaccinium angustifolium* 137
*Vaccinium ashei* 5549
*Vaccinium macrocarpon* 4049
*Valeriana officinalis* 5240
vegetables 2089, 4827, 7454
*Vicia faba* 2866
watermelons 7601
woody plants 2282
*Zingiber officinale* 3665, 9066
*Ziziphus mauritiana* 5353
requirements
analysis
apples 1946, 5458, 8476
avocados 642, 2472, 7011
bananas 682
Brussels sprouts 5684
*Capsicum* 301-302, 305, 2152, 7722
carnations 5003
*Citrus* 648
coffee 6281
cucumbers 5899
*Elettaria cardamomum* 7956
*Eustoma grandiflorum* 6011
*Gerbera* 7841-7842
grapes 853, 2769, 4083, 6557
guavas 7077, 9346
hazelnuts 7290
*Hevea* 6281
kiwifruits 5530
limes 9254
loquats 7038
mandarins 8179
mangoes 7078
melons 4893
oranges 1198, 8180
peaches 4007
pears 4746, 5458
peas 273
plums 5522
pome fruits 2628
pot plants 8970
raspberries 2027
roses 1045
satsumas 5270
*Sechium edule* 3397
*Streptocarpus hybridus* 1591
sugarcane 6339
tea 6281
*Tilia platyphyllos* 3652
tomatoes 1533, 2168, 2907, 3498, 4314, 4962, 4965, 5531, 5894, 5899
vegetables 4826
responses
peas 4254
*Phytolacca americana* 2414
*Salix* 3535
*Senecio hybridus* 7853
tomatoes 3535
vegetables 4948
toxicity
avocados 8164
cucumbers 4894
oranges 9255
rough lemons 1194
tomatoes 2908
*Vicia faba* 8788
translocation
apples 1946
avocados 2492
broccoli 238
kiwifruits 5533
peas 2140, 5801
*Phaseolus vulgaris* 2858, 3413, 4214-4215, 6674, 7630
**Nitrogen dioxide**
responses, *Cucurbita maxima* 6643
toxicity
greenhouse crops 4631
**Nitrogen dioxide** *cont.*
toxicity *cont.*
peas 2872
**Nitrogen oxides**
toxicity
*Syzygium cumini* 3224
tamarinds 3224
**Noctuidae,** *Gerbera* 6779
***Nopalea*** *(see Opuntia)*
**Norway**
agriculture, new journals 2578
apples, cultivars 7218
*Begonia,* economics 6085
carrots, cultivars 7796, 7798
cherries, cultivars 3996
Chinese cabbages, cultivars 5678, 7530
*Pelargonium hortorum,* cultivars 5996
*Pelargonium peltatum,* cultivars 5996
poinsettias, economics 6085
raspberries, cultivars 4037, 8601
tomatoes, cultivars 5872
***Nothoscordum,*** plant, composition 1019
***Nothoscordum inodorum,*** plant, composition 1019
***Notonia*** *(see Senecio)*
**Nucleic acids**
biochemistry, *Clivia nobilis* 1018
biosynthesis
carnations 377
onions 6587
characterization, *Petunia* 2211
composition
mushrooms 1553
*Phaseolus vulgaris* 3420
spinach 4121
metabolism
biochemistry, Jerusalem artichokes 7509
cytotoxic compounds, onions 6590
fruiting, pecans 6504
gamma radiation, Jerusalem artichokes 7508
growth regulators, pineapples 2562
lithium, tomatoes 967
nutrition, pineapples 2562
physiology
carrots 4337
peas 931
plants 3427
*Silene coeli-rosa* 1589
ripening
*Capsicum* 4940
pears 111
senescence, carnations 2204
storage, mushrooms 6767
temperature
apples 7257
grapes 4806
tissue culture
*Catharanthus roseus* 558
*Rauvolfia serpentina* 5219
taxonomy, Compositae 7826
**Nucleotides**
biochemistry, beetroots 4120
composition, spinach 8701
determination, tomatoes 8909
metabolism
biochemistry, peas 7693
salinity, *Capsicum* 7723
senescence, carnations 8951
tissue culture, *Catharanthus roseus* 558
***Nuphar japonica,*** rhizomes, composition 2407
***Nuphar lutea,*** rhizomes, composition 1269
**Nursery stock** *(see* Planting stock)
**Nut crops**
books 1244
flowers, development, books 7116
harvesting
injuries 8522
techniques, mechanical harvesting 8522
production, USSR 5381
reports, German Federal Republic 3916
**Nutmegs** *(see Myristica fragrans)*
**Nutrients**
absorption
age, kiwifruits 2021
assessment, vegetables 2082
cultivars, tomatoes 7769
**Nutrients** *cont.*
absorption *cont.*
growth regulators
dates 660
mangoes 9359
tomatoes 2921
herbicides, melons 8748
humidity, greenhouse crops 2940
irrigation
grapes 1380
tomatoes 2905
light
*Capsicum* 2887
tomatoes 3504, 7764
manganese, *Phaseolus vulgaris* 265
mechanically induced stress, tomatoes 2921
monoculture, *Chamomilla recutita* 3015
mycorrhizas, Leguminosae 5397
nitrogen, cabbages 6625
pests, sugarcane 8340
physiology
peas 7683
plants 7670
tomatoes 2923, 7683
pruning, *Laurus nobilis* 3008
seasonal variation
grapes 7414, 7419
tomatoes 1534
soil compaction, *Phaseolus vulgaris* 910-911
soil temperature
cabbages 2167
tomatoes 2167
soilless culture
strawberries 2736
tomatoes 8887
spacing, *Calendula officinalis* 6924
sulphur, dates 9278
temperature
cucumbers 4189
*Cucurbita ficifolia* 4189
passion fruits 674
tomatoes 7769
tissue culture, peaches × almonds 3276
titanium, tomatoes 6734
water relations, tomatoes 6725
zinc, *Phaseolus vulgaris* 268
determination, plants 8420
recycling, cocoa 9320
requirements
analysis
apples 1948, 8477
books 6372
*Capsicum* 299-303
*Chamomilla recutita* 5113
*Citrus* 1194
coconuts 2552
coffee 3878
grapes 2069, 6557-6558, 7416, 7420
guavas 4582
hazelnuts 7290
*Hevea* 8317
limes 9254
*Litchi* 8212
mangoes 8288
reviews 8289
melons 4893, 6650
okras 3470
oranges 6251
peaches 8546
plums 5522
roses 1045
subtropical crops 8418
tomatoes 329, 2907-2908, 3497, 5889, 5893
tropical crops 8418
watermelons 6650
assessment
carrots 4335
fruit crops 6280
*Hevea* 1848
oil palms 8300
peaches 6491
*Rhododendron* 5547
satsumas 1197
tomatoes 8885
*Vaccinium* 5547

**Nutrients** *cont.*
requirements *cont.*
assessment *cont.*
vegetables 6280
translocation
broccoli 237-238
garlic 185
kiwifruits 5529, 5533
onions 1417
plants 2603
tomatoes 1531
**Nutritional value**
*Allium rosenbachianum* 5615
almonds 3945
*Amaranthus tristis* 3181
*Anethum graveolens* 2936
*Asparagus* 3468
*Baccaurea sapida* 4604
Brazil nuts 4605
*Capparis decidua* 1821
celeriac 2936
celery 2936
*Chaenomeles* 7370
*Cucurbita* 4175
*Flacourtia jangomas* 4604
fruit crops 5414
fungi 1555, 5939
grapes 2081
horticultural crops 184
*Muretia* 5615
oilseed plants 9221
onions 7485
*Opuntia* 5290
pawpaws 3181, 6316
peas 7698
persimmons 1819
*Petroselinum crispum* 2936
*Petroselinum crispum* subsp. *tuberosum* 2936
*Psophocarpus tetragonolobus* 1516
*Telfairia occidentalis* 258
*Trianthema portulacastrum* 5933
vegetables 2086, 4830
wild plants 5615
***Nyctanthes arbor-tristis***
leaves, composition 3096
plant, composition 9103
***Nymphaea,*** rhizomes, composition 1269
***Nymphaea lotus,*** pollen, tubes, development 4349
**Nymphaeaceae,** pollination, physiology 5949
***Nysius ericae,*** grapes 8645
***Ochrosia elliptica,*** tissue culture, biochemistry 1154
***Ocimum***
diseases, *Rhizoctonia solani* 6393
protected cultivation, soil heating 6393
***Ocimum americanum,*** plant, composition 525
***Ocimum basilicum***
diseases, *Pseudomonas cichorii* 4459
leaves, composition 1069, 8082
nutrition
nitrogen 2298
phosphorus 2298
potassium 2298
plant
composition 515, 532
morphology 532
***Ocimum gratissimum***
cultural methods, India 9078
leaves, composition 1704, 2408
plant, composition 509, 1676
***Ocimum kilimandscharicum***
nutrition
nitrogen 2315
phosphorus 2315
plant, composition 515
***Ocimum sanctum***
leaves, composition 3781, 5128
plant, composition 515, 3683
seeds, composition 9180
***Ocimum urticifolium,*** plant, composition 3684
***Odontoglossum,*** taxonomy, morphology 6831
***Odontoglossum constrictum,*** flowers, fragrance, diurnal variation 6108
***Oenanthe aquatica,*** fruits, composition 4506
***Oenanthe javanica***
as weeds, fruit crops 5418
seeds
composition 7812
dormancy
light 7811
temperature 7811
treatment 7813
***Oenothera biennis***
leaves, composition 4460
seeds
composition 6211
development, biochemistry 4460
***Oenothera canescens,*** taxonomy, chemotaxonomy 9181
***Oenothera deserticola,*** taxonomy, chemotaxonomy 9181
***Oenothera dissecta,*** taxonomy, chemotaxonomy 9181
***Oenothera erythrosepala,*** seeds, storage, physiology 4816
***Oenothera harvardii,*** taxonomy, chemotaxonomy 9181
***Oenothera multicaulis,*** taxonomy, chemotaxonomy 9181
***Oidium, Ziziphus*** 1875
***Oidium caricae,*** pawpaws 8305
***Oidium erysiphoides,*** peas 5780
***Oidium mangiferae,*** mangoes 4586, 5316
**Oil palms**
climate, requirements 9371
cultural methods
Malaysia 9362
mechanization 9370
diseases, *Marasmius palmivorus* 1841
drought, resistance, potassium 9367
flowers
development, spacing 8298
sex, climate 9368
fruits
composition 2132, 5326
development, parthenocarpy 6314
quality, climate 9368
harvesting, techniques, mechanical harvesting 9370
herbicides, injuries 6314
hybrids
biochemistry 6315
propagation, tissue culture 8297
nutrients, requirements, assessment 8300
nutrition 3179, 8298, 9363
manures 1223
potassium 9367
pests, Limacodidae 3910
plant, histology 8301
planting, spacing 8298, 9363
pollination, pollinators, *Elaeidobius kamerunicus* 9369
products
paper 8301
sugars 8302
wood chips 8301
reports
Colombia 3213
India 7134
Nigeria 8384
research, Cameroon 3883
seedlings
development, nutrition 3179, 9366
production, cultural methods 9364
treatment 8299
seeds
composition 3919
germination, biochemistry 5324
storage, duration 8296
treatment 8296
soil types 3179
soil water, responses 9367
tissue culture, propagation, techniques 3867
weed control 3884, 5325, 8314, 9364-9365
yields
correlation 9371
forecasting 9372
**Oils**
biochemistry
*Adenophora stricta* 9110
*Aesculus indica* 6899
*Agastache rugosa* 9112
**Oils** *cont.*
biochemistry *cont.*
almonds 2611
*Angelica archangelica* 4466
aubergines 5865
black currants 6211
*Borago officinalis* 6211
calamondins 5279
*Calendula officinalis* 2946
*Carex fedia* 3120
cashews 3872
*Cassia fistula* 9132
*Cassia renigera* 9132
chicory 7512
*Citrus* 4550
*Codonopsis lanceolata* 9110
*Copaifera officinalis* 4466
*Coriandrum sativum* 2946
*Croton macrostachys* 3072
*Croton tiglium* 4488
*Euphorbia* 5243
*Grewia subinaequalis* 7110
*Hibiscus syriacus* 6899
lemons 5284
limes 4553
*Lycium barbarum* 3120
*Ocimum sanctum* 9180
*Oenothera biennis* 6211
oil palms 3919
*Pentaclethra macrophylla* 1187
*Perezia longifolia* 9187
*Plantago ovata* 1162
*Prunus bokhariensis* 6899
*Salvia aegyptica* 9180
*Simmondsia chinensis* 8157
*Syzygium cumini* 6364
*Voacanga africana* 2452
characterization, *Simmondsia chinensis* 8152
composition
*Aesculus indica* 540
*Anethum graveolens* 3013
*Argania sideroxylon* 6237
avocados 5262
*Azadirachta indica* 6152
*Cassia tora* 6152
*Celastrus paniculatus* 3737
*Coriandrum sativum* 3013
*Elaeis* 6315
*Epimeredi indica* 6944
fennel 3013
*Gevuina avellana* 820
hazelnuts 4002
*Hippophae rhamnoides* 2740, 2744, 6536
*Irvingia gabonensis* 6238
*Michelia champaca* 6152
olives 9284
persimmons 1819
*Pongamia pinnata* 6152
*Simmondsia chinensis* 8156
*Telfairia occidentalis* 258
*Tetrapleura tetraptera* 1775
*Trachyspermum ammi* 3013
*Trigonella foenum-graecum* 3013
*Viburnum cylindricum* 6152
walnuts 5525
*Wrightia tomentosa* 6152
determination, olives 9298
metabolism
pollination, *Hippophae rhamnoides* 2747
ripening
avocados 2493
*Hippophae rhamnoides* 2740-2741
seasonal variation, avocados 2495
production
cultural methods
*Papaver* 3787
*Simarouba glauca* 1781
*Simmondsia chinensis* 9232
tissue culture, *Simmondsia chinensis* 9222
**Oilseed cakes,** utilization, soil amendments, *Piper betle* 1764
**Oilseed plants,** seeds, composition 9221
**Okras**
cultivars
diseases 4276
drought 285

**Okras** *cont.*
cultivars *cont.*
pests 8840
cultural methods
minimum tillage 4097
Nigeria 3393
disorders, chilling injury 4936
drought, resistance, cultivars 285
flowers
development
growth regulators 7706
physiology 8845
thinning, responses 2148
fruits, composition 5843, 8842
fungicides, responses 8841
growth regulators
GA, responses 7707
pentefenzol, responses 8841
handling, techniques 8846
harvesting, techniques, assessment 8846
herbicides, injuries 4822
insecticides, residues 5845, 5867
irrigation
requirements, analysis 287
responses 949, 4957
leaves
composition 1519
physiology 8845
marketing, Europe 7138
mulching, responses 4957
nutrients, requirements, analysis 3470
nutrition
nitrogen 288, 5843, 7707, 8842
phosphorus 288, 5843, 8842
potassium 288
pests
*Amrasca biguttula* 4935, 6701, 8844
*Earias vittella* 2147, 8844
*Helicoverpa armigera* 5844
*Melanagromyza hibisci* 4278
*Meloidogyne* 3471, 7708
*Meloidogyne incognita* 3472, 7457
*Rotylenchulus reniformis* 7457
*Tetranychus ludeni* 8844
pods
development, growth regulators 7706
set, growth regulators 4949
pollution
cadmium 6700
ozone 8841
uranium 8663
reports, Cyprus 731
rhizosphere
biology 4277
microorganisms 5842
roots, physiology 3473
seeds
development, biochemistry 6699
production, cultural methods 288
quality
assessment 4933
fruiting 2148
treatment 4097, 4934, 4949, 7457
viability, tests 4817
storage
disorders 1407
systems, assessment 4936
transport, systems, assessment 8846
weed control 286, 5841
weeds, competition 5841
yields, pests 3472, 8843
***Olax gambecola,*** roots, composition 2409
***Oldenburgia grandis,*** plant, morphology 2287
***Oldenburgia intermedia,*** plant, morphology 2287
***Oldenburgia papionum,*** plant, morphology 2287
***Oldenburgia paradoxa,*** plant, morphology 2287
***Olea*** (*see also* Olives)
***Oligonychus afrasiaticus,*** dates 3854
***Oligonychus ilicis***
*Camellia* 9040
*Rhododendron* 9040
**Olives**
budding, rootstocks, treatment 2536
cultivars
anatomy 6270
**Olives** *cont.*
cultivars *cont.*
assessment, India 9284
biochemistry 3860
characteristics 8214
Argentina 1814
Italy 4558, 7044
Portugal 1816
Spain, reviews 664
diseases 4557-4558, 6269, 8214
germination 8215
growth regulators 2542
identification 6268
lists 8214
mechanical harvesting 670
morphology 6268
photosynthesis 4560
pollination 9296
propagation 8217, 9286
salinity 6271
tissue culture 4559
winter hardiness 2535, 2537, 8214
cultural methods
Argentina 1814
Italy 7041-7042
mechanization 7042
cuttings
micropropagation 9287
physiology 8216
rooting
cultivars 8215
growing media 9285
seasonal variation 8217, 9286
treatment 8215-8217, 9286
types, winter cuttings 9288
ecology, Morocco 1815
flowers
development, physiology 7048
initiation, physiology 8219-8220
frost
injuries 2537
resistance
cultivars 2535
physiology 3158
rootstock scion relationships 2537
fruits
composition 47, 9284, 9298
development
biochemistry 3860
irrigation 9292
loosening
growth regulators 670, 1211, 1817, 2542
measurement 8221
set, growth regulators 2541
size
growth regulators 2541
irrigation 9291
growing media, composition 9294
growth regulators
BA, responses 2541
GA, responses 2541
NAAM, responses 2541
naphthoxyacetic acid, responses 2541
paclobutrazol, responses 2541
harvesting
harvesting date
assessment 8221
forecasting 671, 673
techniques, mechanical harvesting 670, 1817, 3159, 7049
herbicides
injuries 742
tolerance 666
irregular bearing
irrigation 9291
physiology 7048, 8219-8220
irrigation
requirements, determination 7046, 9293
responses 3157, 9291-9292
systems 9292
landscaping, urban sites 6068
leaves
anatomy 6270
composition 7047
morphology 6268
nutrition
nitrogen 9295
**Olives** *cont.*
nutrition *cont.*
phosphorus 9295
potassium 9295
trace elements 9295
parasitic plants, *Cuscuta monogyna* 8395
pests
*Dacus oleae* 668-669, 2534, 2539
reviews 5288
*Prays oleae* 2534
photosynthesis
temperature 4560
water relations 8218
plant residues, utilization, growing media 2735, 6048
planting stock
production
containers 9294
techniques 9288, 9290
pollen
development, cytology 2540
germination, biochemistry 6272
pollination
cultivars 9296
research 2534
processing
cultivars 4558
residues 5025, 6048
production
France 2534
USSR 5381
pruning, responses 2538
regeneration, pruning 2538
reports
Berlin 2585
Cyprus 731
roots, development, soil management 667
salinity, responses 6271
seedlings, treatment 2536
seeds
composition 47
development, embryology 9297
sowing, sowing date 8215
treatment 8215
shade, responses 7045
soilless culture, nutrition 9294
surveys, Tunisia 7043
tissue culture
organogenesis 9287
propagation
callus 4559
micropropagation 9289
protoplasts 665
techniques 3924
water relations, physiology 8218
weed control 666-667, 3156, 8395
yields, correlation 672
***Olpidium,*** melons 4186
***Oncidium,*** taxonomy, morphology 6831
***Oncidium luridum,*** characteristics 3602
***Oncobasidium theobromae,*** cocoa 5301
**Onions**
bolting
cultivars 5636
nutrition 5636
planting, seasons 5636
bulbs
biochemistry, X radiation 1419
composition 1421, 2096, 2794-2795, 2799-2800, 3364, 4653, 4834, 6174
development
light 199
photoperiodism 3363
physiology 195-197
dormancy, physiology 2095
flavour, environment 2800
mechanical properties, biochemistry 201
quality, assessment 43
sprouting
gamma radiation 1418
growth regulators 8692
temperature 198
X radiation 1419
chromosomes 7483-7484, 8688
cultivars
assessment
Bangladesh 188

**Onions** *cont.*
cultivars *cont.*
assessment *cont.*
Brazil 4109
India 8679
Italy 2091
USSR 4108, 5616, 7472
biochemistry 2096, 2795, 2800
bolting 5636, 8680-8681
characteristics
Hungary 190
Japan 189
Netherlands 3921
USA 8680-8681
USSR 1410
diseases 189, 1420, 2794, 6586, 7470, 8680-8681
growth 197
pests 2090
physiology 196
planting, seasons 5635
protected cultivation 3360
ripening 7472
salinity 4113
storage 188, 2795, 7471, 8689, 8692
yields 3361, 5635, 7472
cultural methods, India 7485
diseases
*Alternaria porri* 1414, 3362, 4114-4115, 7478, 7491
control, New Zealand 194
*Fusarium oxysporum* f.sp. *cepae* 1415, 8683
*Peronospora destructor* 7478, 8686
*Pleospora allii* 5642
*Pythium butleri* 8683
*Sclerotium cepivorum* 2798, 6586
*Urocystis cepulae* 8682
fungicides
injuries 1416
responses 4117, 7480
growing media, composition 4828
growth regulators, alcohols, responses 2842
harvesting
desiccants 866
techniques, mechanical harvesting 41, 183, 4118, 7489
herbicides
application 7476
injuries 1411, 5639, 7474, 8688
insecticides, residues 4116, 7481
intercropping, cauliflowers 4155
irrigation
requirements, determination 4111, 4836, 6585
responses 865
mycorrhizas 865, 1416, 5640
nutrients
absorption, assessment 2082
translocation 1417
nutrition 4112
iron 7477
nitrogen 192, 1413, 4826, 4834, 5645, 7486-7487, 8685
phosphorus 192, 2796, 4826, 4834, 5640-5641, 8685
potassium 192, 4826, 4834, 5641, 8685
zinc 7477
nutritional value 7485
pesticides, injuries 5403
pests
*Scutigerella immaculata* 4105
*Thrips tabaci* 5643, 7479
photoperiodism 196, 199
plant
composition 1907, 2338, 2792, 5634, 9086
development
assessment 8388
light 5640
physiology 8434
thinning, responses 3361
planting
seasons 1418, 2091, 4835, 5635, 5645
spacing 192, 7488
systems 192, 5635
planting stock, size 4835

**Onions** *cont.*
pollution
lead 193
ozone 1406
processing, quality, nutrition 4834
production, New Zealand 187
protected cultivation, cultural methods 3360
reports
Colombia 3213
German Federal Republic 732
India 18
respiration, cytotoxic compounds 6588
roots
biochemistry, cytotoxic compounds 6588, 6590
composition 6589
cytology 2093-2094, 2797, 6587, 6589, 7482-7484, 8687-8688, 9216
development
histology 5644
oxygen 2093
histology 1417
physiology 193
salinity, responses 4113
seedlings
planting, seasons 7488
treatment 8683
seeds
composition 6159, 7480
germination, salinity 4113
production
cultural methods 192, 4835-4836, 5645, 7491
drying 200
quality, assessment 5617
sowing
site preparation 4833
sowing date 1414, 3361, 7473
spacing 7473
storage, physiology 4816
treatment 957, 1415, 1420, 4818, 8682-8683
viability, tests 191, 4817
sets, planting, systems 4833
soil amendments 7453
soil management
responses 4833
systems 4833
soil water, responses 4111
storage
biochemistry 1419, 2795
buildings 1418, 7485
containers 7490
cultivars 188, 2795, 7471-7472
diseases 1413, 1420, 7491
losses 1418
physiology 2095
precooling 8691
quality
cultivars 7486
cultural methods 7488
desiccants 866
growth regulators 7486-7488, 8692
maturity 4118
nutrition 1413, 7486-7487
systems
assessment 7485
cold storage 7490
temperature 198, 8689
treatment 3227, 8690
ventilation 7490
tissue culture, propagation, techniques 3223
translocation
growth regulators 3363
light 3363
weed control 864, 1411-1412, 2092, 4110, 5637-5639, 7451, 7474-7476, 8684
yields, weeds 7475
***Ononis pubescens,*** plant, composition 3712
***Onopordum macracanthum,*** plant, composition 2410
***Onopordum tauricum,*** leaves, composition 6967
***Onosma heterophylla,*** roots, composition 1155

***Onychium japonicum,*** plant, composition 1697
***Ophiomyia phaseoli, Phaseolus vulgaris*** 4902
***Ophiomyia simplex, Asparagus*** 284
***Ophiopogon,*** tubers, composition 3097
***Ophiopogon intermedius,*** rhizomes, composition 5208
***Ophiopogon japonicus,*** roots, composition 595
***Ophrys,*** wild plants, surveys, Italy 3603
***Ophrys fuciflora,*** seeds, germination, culture media 3609
***Ophrys lutea***
mycorrhizas 5066
pollen, development, cytology 5068
***Opogona sacchari***
bananas 8999
Palmae 8999
sugarcane 8999
**Optical properties**
*Cucurbita pepo* 3221
lettuces 8713
***Opuntia amyclaea,*** shoots, quality, assessment 5290
***Opuntia ficus-indica***
fruits, composition 3864
plant, composition 677
products
fodder 677
pigments 3864
research, Chile 2581
shoots, quality, assessment 5290
***Opuntia stricta,*** shoots, quality, assessment 5290
**Oranges**
acaricides, residues 2520
budding, seasons 2515
cultivars
assessment
USA 3127
USSR 2512
biochemistry 4546, 4552, 7973
characteristics, USSR 2513
clones 5264
diseases 9245
disorders 8184
lists 9248
mechanical harvesting 3147
ripening 1204
storage 8202
temperature 1790
diseases
*Alternaria citri* 8188
*Glomerella cingulata* 8190
*Mycosphaerella citri* 5274
disorders
blossom-end yellowing 8188
creasing 9256
granulation 7024, 8184
flooding 4539
frost
injuries 3127, 3129, 3150, 3852, 8181
assessment 3130
protection
cultural methods 3132
irrigation 646, 1793, 3131
materials 6245
snow 6246
wraps 3129, 3131
resistance
cultivars 1790
physiology 6255
fruits
biochemistry, temperature 2524
composition 22, 1809, 3220, 3850-3851, 4550-4551, 5282-5283, 5414
development, biochemistry 4545
drop
assessment 9269
fungicides 5280, 8188
growth regulators 5280
flavour, biochemistry 4552
loosening, growth regulators 3147
mechanical properties, assessment 3852
quality
assessment 9275
cultivars 5264

**Oranges** *cont.*
fruits *cont.*
quality *cont.*
gamma radiation 3845
nutrition 3141
rootstock scion relationships 2514
storage 7031
temperature 3130, 3150
ripening
biochemistry 657, 4546
cultivars 657, 1204
size, reviews 8208
spectral data 8437
thinning, responses 7024
fungicides, application 8200
growth regulators
ABA, determination 1252, 6256
aminocyclopropane carboxylic acid, metabolism 9274
chloromethylnitropyrazole, responses 3837
ethylene, metabolism 9274
IAA, determination 1252
harvesting
techniques
assessment 8202
mechanical harvesting 3147
insecticides, residues 1799, 3934
irrigation
equipment 3133
fertilizers, application 6253
requirements, determination 3137
responses 3134, 5269
water, sources 6248
leaves
abscission, physiology 3144
composition 648, 1194, 1198, 1804, 3837, 7030, 7973, 8168, 9266
development, physiology 1804
senescence 9267
spectral data 8437
mycorrhizas 649, 4539
nutrients, requirements, analysis 6251
nutrition
calcium 6254
green manures 5271
magnesium 8183
manganese 8183
manures 651
nitrogen 650-651, 1198, 3140-3141, 6253, 8180-8181, 8202, 9255, 9269
phosphorus 649-651, 1198, 8180
potassium 650-651, 1198, 8180
trace elements 7023
zinc 8183
nutritional value 5414
pesticides, application 8200
pests
*Aleurothrixus floccosus* 1797
*Aonidiella aurantii* 1797
*Ceratitis capitata* 3835
*Ceroplastes rubens* 654
*Cratosomus flavofasciatus* 4542
*Iridomyrmex humilis* 1797
*Phyllocoptruta oleivora* 5274
*Planococcus citri* 1797-1798
*Tylenchulus semipenetrans* 8192-8193
photosynthesis
carbon dioxide 3143
salinity 1803, 7028
plant, composition 2522
plant residues, decomposition 2525
planting, spacing 3127
planting stock, production, containers 650
production
Brazil 7152
Chile 7204
products, essential oils 5283
protected cultivation, cultivars 2512
reports, Colombia 3213
rootstock scion relationships
biochemistry 1791
compatibility 9249
growth 8172, 9250
physiology 9256
salinity 7028
yields 3127, 9250, 9256

**Oranges** *cont.*
salinity
responses 1803, 4539
tolerance 1801-1802
seedlings, development, assessment 3125
seeds, development, physiology 8184
shoots
development
light 3129
seasonal variation 1800
temperature 3129
soil amendments 6254
soil management
responses 5269
systems 5269
soil temperature, diurnal variation 3132
soil types 1198
soil water, responses 9269
storage
biochemistry 5281
cultivars 8202
diseases 1808
losses 7031
packing 1808
quality, cultural methods 8202
systems
cold storage 3843, 5281
controlled atmosphere storage 5281
treatment 3844-3845, 7031
wraps 7031
tissue culture
biochemistry 3146
physiology 1801-1802
propagation, embryos 7021, 8174
storage 8174
water relations
physiology 1801-1802
salinity 1803
soil management 5269
yields, diseases 8190
**Orchidaceae**
flowers
development
assessment 6840
environment 6062
genetics 6062
morphology 6062
herbaria 9011
leaves
cytology 4407
histology 7909
mycorrhizas 2980, 4406, 6060-6061, 9018, 9020
nectaries 6841
pests, *Tenuipalpus pacificus* 9021
protected cultivation, pests 9021
seedlings
development, culture media 3609
production, containers 3610
seeds, germination, culture media 3609
species, flowering 6838
surveys, Cuba 3602
taxonomy, morphology 6831
wild plants
surveys
Italy 3603
USA 6838
***Orchis,*** wild plants, surveys, Italy 3603
***Orchis mascula,*** seeds, germination, culture media 3609
***Orchis morio,*** seeds, germination, culture media 3609
***Oreocallis wickhamii,*** cultural methods, Australia 5069
**Organic acids**
composition
cashews 3873
coffee 7076
*Copaifera* 4485
*Cydonia sinensis* 4024
horticultural crops 4653
nectarines 8558
*Nepeta meyeri* 6210
oranges 1809
pawpaws 6316
pears 4742
plums 8572
*Salvia miltiorrhiza* 9197
*Sorbus aucuparia* 4440

**Organic acids** *cont.*
composition *cont.*
tomatoes 2897
tulips 6817
*Vaccinium* 2718-2719
*Vaccinium corymbosum* 4045
exudation, coconuts 6300
metabolism
biochemistry
grapes 2080
hops 1683
*Phaseolus lunatus* 5768
defoliation, grapes 6553
disorders, tomatoes 336
fungicides, tomatoes 344
growth regulators
apples 1943
rough lemons 3832
iron, apples 5463
nitrogen
hops 3691, 3693
tea 8355
physiology
apples 7269
grapes 8660
*Lansium domesticum* 2576
*Phaseolus vulgaris* 5762, 8774
ripening
apples 3260
bananas 8242
boysenberries 131
feijoas 3857
grapes 4814, 6572
guavas 5311
*Hippophae rhamnoides* 2741
pears 5513
strawberries 7369
tomatoes 346
rootstock scion relationships, grapes 7385
salinity, vegetables 2914
soil aeration, apples 84
storage
apples 84
cherries 1317
*Litchi* 2531
longans 2532
rambutans 2532
temperature, succulent plants 6828
tissue culture, coffee 5305
water relations, *Kalanchoe daigremontiana* 1620
responses
cherimoyas 9304
cucumbers 1468
*Impatiens balsamina* 400
**Organic culture,** horticultural crops, Hungary, books 2579
***Orgyia postica,*** cocoa 9324
***Origanum compactum,*** plant, composition 4507
***Origanum dictamnus***
leaves
composition 1070, 3783
cytology 3782
***Origanum majorana***
leaves, composition 2316
plant, composition 509, 1071, 5129
***Origanum vulgare***
leaves, composition 3685
plant, composition 2303
**Ornamental bulbs**
cultural methods
labour requirements 6023
mechanization 6023
diseases, *Erwinia carotovora* subsp. *carotovora* 6772
flowers, development, soil temperature 7827
soil temperature, responses 7827
tissue culture, propagation, micropropagation, reviews 5027
**Ornamental palms,** diseases, control, Australia 4390
**Ornamental plants**
acaricides, application 7829
as ground cover plants, assessment 2201
breeding, reviews 3534
cultivars, winter hardiness 7145
cultural methods, pot plants 3539, 5943

**Ornamental plants** *cont.*
cut flowers
marketing
Canada 7833
Europe 7833
USA 7833
storage 8673
cut foliage
marketing
Canada 7833
Europe 7833
USA 7833
vase life 1025
cuttings, sources, cultural methods 1258
diseases
bacteria 5946
books 1243
control, conferences 8375
*Erwinia amylovora* 6499
Erysiphales 1264
fungi 5946, 5948
viruses 5946
disorders, books 1243
economics, USA 4996
growing media
characteristics 7178
composition 7147, 8944
porosity 8944
production 7178
herbicides, application 6770
insecticides, application 7829
irrigation, water, composition 372
landscaping, roadsides 7824
marketing
Canada 7833
Europe 7833
USA 7833
mulching, materials 4630
mutants, induction 8369
mycorrhizas 5398
nurseries
economics 4996
France 1560
weed control 370
nutrition, iron 2939
pests
Acari 7458, 7829, 8379, 8947
control
conferences 8375
India 4649
Japan 7179
*Frankliniella occidentalis* 7830-7831
insects 7829, 8947
*Nipaecoccus viridis* 4650
*Otiorhynchus sulcatus* 7188
*Tetranychus urticae* 7189
plant
composition 1913
histology 1899
planting stock, production, containers 2268
pollen, composition 5950
propagation, economics 4999
protected cultivation
carbon dioxide 31
cultural methods 5385
energy conservation 3225
heating systems 3927
pests 180, 7458, 7831, 8947-8949
reports
Canada 12
German Federal Republic 14, 17, 732, 3214
Netherlands 3917
Norway 7135
salinity, responses 1562, 6408
seeds
germination, environment 5941
production, books 729
quality, cultural methods 4829
soilless culture, growing media 8943
tissue culture
propagation
micropropagation 4999
reviews 4998
responses 5000
techniques 3922
protoplasts 3923
responses, light 1257

**Ornamental plants** *cont.*
weed control 4348, 5379, 5944-5945, 6770, 7828
wild plants, surveys, Ethiopia 367
***Ornithogalum,*** cultivars, assessment, Czechoslovakia 2221
***Orobanche***
as weeds
peas 5794
tomatoes 5794
control, of *Oxalis pes-caprae,* grapes 4078
***Orobanche aegyptiaca***
as weeds
tomatoes 8881
watermelons 7592
***Orobanche cernua,*** as weeds, tomatoes 8881
***Orobanche crenata,*** as weeds, tomatoes 8881
***Orobanche ramosa,*** as weeds, tomatoes 8881
***Orobus*** *(see Lathyrus)*
***Orthosiphon aristatus,*** plant, composition 3784
***Oryctes rhinoceros,*** coconuts 8261
***Osbeckia chinensis,*** plant, composition 3785, 5244, 6212
***Osmanthus fragrans***
cultivars, characteristics, China 1054
nectar 3620
***Osmunda asiatica,*** leaves, composition 4400
***Osmunda cinnamomea,*** photosynthesis, physiology 3226
***Osmunda regalis,*** tissue culture, propagation, responses 3591
***Ostrinia nubilalis,*** chrysanthemums 992
***Otanthus maritimus,*** plant, composition 5209
***Otiorhynchus,*** *Rhododendron* 6848
***Otiorhynchus ligustici,*** hops 523
***Otiorhynchus salicicola,*** *Aralia* 8998
***Otiorhynchus sulcatus***
*Aralia* 8998
grapes 8640
ornamental plants 7188
***Ottochloa nodosa,*** as weeds, *Hevea* 3887, 8314
***Ottonia frutescens,*** plant, composition 8005
**Oxalates**
composition
almonds 1268
*Amaranthus tricolor* 1268
cashews 1268
cherries 5521
*Moringa oleifera* 1268
plums 5521
*Stelis* 3612
***Oxalis***
as weeds, container grown plants 5944
reports, German Federal Republic 17
***Oxalis corniculata,*** as weeds, ornamental plants 7828
***Oxalis europaea,*** as weeds, *Gerbera* 383
***Oxalis pes-caprae,*** as weeds, grapes 4078
***Oxandra xylopioides,*** plant, composition 8083
***Oxycoccus*** *(see Vaccinium)*
**Oxygen**
deficiency, onions 2093
determination, apples 1304
responses
apples 81, 85
*Capsicum* 4941
carnations 8951
lettuces 220
peas 4254
*Vicia faba* 2135
**Ozone**
responses
*Pharbitis nil* 8769
*Phaseolus vulgaris* 5752, 6668, 8769
tomatoes 7749
tolerance, okras 8841
toxicity
horticultural crops 7153
peas 2872
*Phaseolus vulgaris* 7617

**Ozone** *cont.*
toxicity *cont.*
radishes 7568
*Syzygium cumini* 3224
tamarinds 3224
vegetables 1406
***Pachnaeus,*** *Citrus* 9262
***Pachycentria constricta,*** plant, composition 5156
***Pachyelasma tessmanii,*** plant, composition 6154
***Pachypodanthium staudtii,*** plant, composition 6154, 6213
***Pachysandra terminalis***
as ground cover plants
assessment 7823
cultural methods 6004
***Pachystachys lutea,*** reports, German Federal Republic 15
**Packing**
containers
avocados 2506
horticultural crops 8442
injuries, apples 8444
materials
apples 85
grapefruits 3841
grapes 6575
horticultural crops 4620, 8440-8441
tomatoes 7790
vegetables 8674
techniques
apples, reviews 1308
cucumbers 8764
grapes 8657
mandarins 8205
persimmons 3160
***Paecilomyces lilacinus,*** control, of *Meloidogyne incognita,* okras 3472
***Paeonia lactiflora***
as rootstocks, *Paeonia suffruticosa* 6113
roots, composition 402
***Paeonia suffruticosa***
grafting, techniques, assessment 6113
landscaping, USSR 4438
roots, composition 3098
**Pakistan**
bananas, cultivars 1824
melons, cultivars 7577
**Palmae**
pests, *Sexava nubila* 3877
reproduction, physiology 8435
species, Singapore 9024
tissue culture, propagation, embryos 689
***Panaeolus,*** composition 1094
**Panama,** medicinal plants, surveys 2337
***Panax japonicus,*** rhizomes, composition 1751
***Panax pseudoginseng***
plant, composition 597, 8074
rhizomes, composition 3786
roots, composition 596, 2411, 3034, 5210, 8087
seeds
development, embryology 8085
germination
growth regulators 8086
temperature 8086
shoots, composition 598
tissue culture
biochemistry 6868, 9182
metabolites, production 1752
propagation, techniques 8084
***Panax quinquefolius,*** tissue culture, embryogenesis 8088
***Pandanus julianettii,*** characteristics 725
***Pandanus veitchii,*** cultural methods, interior decoration 4388
***Pandorea jasminoides,*** cuttings, physiology 7915
***Panicum colonum*** *(see Echinochloa colonum)*
***Panicum maximum,*** as mulches, *Telfairia occidentalis* 7597
***Panogena lingens,*** pollinators, *Aerangis ellisii* 6063

***Panonychus citri,*** *Citrus* 2519, 5276, 9261
***Panonychus ulmi***
apples 51, 67, 4689, 7245-7246, 8495, 8501
fruit crops 6419
grapes 2773, 3214
plums 4019
***Pantomorus cervinus,*** *Citrus* 9253, 9262
***Papaver***
nutrition 3787
yields, correlation 3787
***Papaver bracteatum***
climate, requirements 1753
cuttings, types, root cuttings 3099
mulching, responses 9107
plant
composition 3788, 5211
development, morphology 3099
histology 6968
morphology 6968
planting, spacing 599
***Papaver nudicaule***
cut flowers, production, cultural methods 3536, 5023
nutrition 5023
***Papaver pseudo-orientale,*** plant, composition 9183
***Papaver rhoeas***
as weeds
*Gladiolus* 1600
peas 8809
***Papaver somniferum***
cultivars, characteristics, Romania 4510
diseases, *Peronospora arborescens* 1754
herbicides, injuries 3789
intercropping, garlic 1156
leaves, areas, assessment 1755
nutrition
calcium 1690
nitrogen 2412
plant
composition 600, 5211-5212, 8089, 9184
thinning, techniques 601
seedlings, development, biochemistry 8090
seeds
germination, biochemistry 1756
sowing, spacing 2412
shoots
development
disbudding 4509
growth regulators 4509
tissue culture
propagation
anthers 6214
callus 4508
weed control 601, 1157, 3789
**Papaya ringspot virus,** pawpaws 2558, 6317, 7086
**Paper**
utilization
growing media, *Pleurotus sajor-caju* 6769
mulches
aubergines 4294
*Rosa multiflora* 2277
storage, *Litchi* 2531
***Paphiopedilum ciliolare,*** seeds, germination, culture media 2979
***Paphiopedilum harrisianum,*** leaves, cytology 4407
***Paphiopedilum insigne,*** leaves, cytology 4407
***Paphiopedilum sanderianum,*** conservation, Sarawak 9014
***Papilio demoleus***
*Citrus* 8197
mandarins 9264
**Papua New Guinea**
medicinal plants, surveys 1088-1089, 3035-3037
melons, cultural methods 5704
***Parabenzoin*** *(see Lindera)*
**Paraguay**
medicinal plants, surveys 3705, 4472
*Simmondsia chinensis,* production 8124
***Paramichelia baillonii,*** plant, composition 8091, 9185
***Pararistolochia flos-avis,*** plant, composition 602, 8092
***Paratetranychus pilosus,*** coffee 3879
***Paratrichodorus christiei,*** *Vaccinium* 4764
***Parietaria,*** as weeds, grapes 4078
***Parkia roxburghii,*** utilization, shade plants, coffee 1830
***Parlatoria oleae,*** *Pistacia lentiscus* 2455
***Paronychia argentea,*** plant, anatomy 6903
**Parsley** *(see Petroselinum crispum)*
**Parsnips**
cultivars, diseases 1550
fruits, composition 3049
herbicides, injuries 5923
packing, materials 8674
pests, *Psila rosae* 7801
roots, composition 1907
seeds, treatment 3511
utilization, lawns and turf 418
weed control 5923, 8665
***Parthenium argentatum***
cultivars, germination 8161
drought, responses 1786
establishment, arid regions 7008
mycorrhizas 5246
nutrition, phosphorus 5246
plant
composition 9241
histology 5245
planting, systems 7008
production, Mediterranean, reviews 8158
reports, France 8383
salinity, responses 5246
seeds
germination
drought 8161
salinity 8161
shoots, histology 3823
water relations, physiology 3824
weed control 1785
***Parthenium hysterophorus***
as weeds, grapes 4791
flowers, composition 1757
plant, composition 8093, 9083
plant residues, utilization, growing media 5937
products, oxalic acid 3825
***Parthenocissus quinquefolia***
as weeds, apples 5449
pollution, sulphur dioxide 5072
***Parthenocissus tricuspidata***
leaves, senescence 1657
planting, sites, selection 9045
***Parthenolecanium corni,*** grapes 6568
***Parthenolecanium persicae,*** grapes 6568
***Parthenolecanium pruinosum,*** fruit crops 5406
***Paspalum,*** as weeds, vegetables 3352
***Paspalum conjugatum***
as weeds
cocoa 7066
*Hevea* 3887, 8314
***Paspalum distichum,*** as weeds, fruit crops 5418
***Paspalum notatum***
as weeds, lawns and turf 3582
transpiration, measurement 6045
***Paspalum scrobiculatum,*** as weeds, cocoa 7066
***Paspalum urvillei,*** as weeds, sugarcane 6333
***Paspalum vaginatum,*** transpiration, measurement 6045
***Passiflora*** *(see also* Passion fruits)
cuttings, rooting, humidity 9303
reports, German Federal Republic 14
***Passiflora caerulea,*** growing media, composition 8942
**Passion fruit vein clearing virus,** passion fruits 1818
**Passion fruit woodiness virus,** passion fruits 1818
**Passion fruit yellow mosaic virus,** passion fruits 1818
**Passion fruits**
cultivars, temperature 674
cultural methods
Italy 2587
reviews 8222
**Passion fruits** *cont.*
diseases
mycoplasmas 1818
viruses 1818
flowers, initiation, temperature 674
fruits, flavour, biochemistry 3861
marketing, Europe 7138
nutrients, requirements, analysis 8418
planting, spacing 6273
production, Australia 8223
reports, Berlin 2585
tissue culture, techniques 2545
***Pastinaca*** *(see also* Parsnips)
**Patchouli** *(see Pogostemon cablin)*
***Paullinia cupana,*** seeds, composition 9186
***Paulownia tomentosa***
breeding, tissue culture 5099
leaves, variegation, cultivars 5099
plant, composition 2288
seeds, germination, physiology 3647
**Pawpaws**
acaricides, injuries 4589
budding 6318
techniques 9374
cultivars
characteristics, Taiwan 7086
diseases 1843, 6317, 7086
pests 9373
cultural methods, Mauritius 7140
diseases
*Aspergillus* 1844
*Enterobacter cloacae* 7088
*Oidium caricae* 8305
papaya ringspot virus 2558
fruits
composition 3180-3181, 6316, 7090
maturity, assessment 3885
mechanical properties, assessment 93
growth regulators, ethylene, biosynthesis 703
heat, injuries 703
intercropping
*Annona* 680
coconuts 3875
irrigation, systems 680
leaves, composition 6316
marketing, Europe 7138
nutrients, requirements, assessment 6280
nutrition, calcium 1842
nutritional value 6316
pests
Acari 7140
parakeets 1844
Tephritidae 7140
*Tetranychus urticae* 4589
plant, sex, determination 8306
planting, spacing 5328
production
Australia 7139
USSR 6316
reports
Berlin 2585
Taiwan 7136
seedlings, planting, age 1225
seeds
composition 3936
production, harvesting 7089
soil pH, responses 1842
storage
diseases 7088
reviews 5329
physiology 8307
treatment 7088, 8307
tissue culture
organogenesis 1224
propagation
embryos 8303
micropropagation 6319, 8304
responses 7087, 9375
techniques 5327
techniques 2545
***Paxillus involutus,*** composition 4341
**Pea enation mosaic virus,** peas 2137
**Peaches**
as rootstocks
apricots 2649
plums 8574-8575
buds, dormancy, temperature 771
chilling requirement 1969

**Peaches** *cont.*
cold, resistance, tests 3614
cover crops, responses 7300
cultivars
assessment
Chile 3273
Czechoslovakia 1969
India 4005, 8531-8532
USA 5489
USSR 2668-2669, 7297
biochemistry 7309
characteristics
Brazil 792, 2670
Bulgaria 97, 1985, 8446, 8534
France 1987
Hungary 791
India 4728
Italy 45, 1988
Japan 44, 2671
USA 1986, 2672, 8535
USSR 741, 1330
chilling requirement 1998, 2672, 5489
clones 4726
diseases 1328, 1985-1986, 1988, 2668, 2672, 5518, 7295, 8535
drought 3956
flowering 1998, 8533
high density planting 1335
identification 96
morphology 4005
nectar 1272
photosynthesis 4006
physiology 2001
processing 97, 791, 2668-2670, 5492, 7298, 8529-8530
protected cultivation 5493
ringing 797
selection 4004
storage 1342
subtropics 8532
thinning 6494
transpiration 1329
winter hardiness 99, 2675, 4713, 4727
yields 4006, 4733
cultural methods
double cropping 8540
Italy 8541
Mediterranean 101
Philippines 748-749
cuttings
callus, development 8537
cultural methods, reviews 8536
rooting
growing media 5490
seasonal variation 5490
sources, assessment 5490
treatment 5490, 8537
diseases
control, Bulgaria 8550
*Fusicladium carpophilum* 799
*Fusicoccum amygdali* 7304
*Monilinia* 1337
*Monilinia fructicola* 3268
*Monilinia laxa* 6497
*Pseudomonas* 5492
*Pseudomonas syringae* pv. *persicae* 7210
*Sphaerotheca pannosa* 7295
*Taphrina deformans* 7295
viruses 4726
disorders
chlorosis 4736
split-pit 2677
woolliness 1342, 2681-2682
dormancy
cyanamide 801, 1293, 1338
defoliation 1293, 1338
DNOC 1293, 1338
fungicides 1293
growth regulators 801
herbicides 1293
irrigation 1293
potassium nitrate 801, 1338
pruning 1293
temperature 1902
drought
resistance
cultivars 2669, 3956
tests 3614

**Peaches** *cont.*
economics, Turkey 8445
flowers
development
light 6489
morphology 8533
position 2000, 8533
initiation, irrigation 6488
thinning, growth regulators 5498
frost
injuries 1333, 7151, 7206
resistance
anatomy 37
assessment 1332
cultivars 99, 2675, 4727, 7298
cyanamide 6486
growth regulators 6486
irrigation 7284
rootstock scion relationships 3275, 5439
fruits
biochemistry, pruning 8544
browning, biochemistry 4738
colour
cultivars 7310
maturity 7310
composition 1340, 2677, 4661, 5414
development
biochemistry 7308, 8555
growth regulators 6495
light 6489
physiology 2001, 2677
drop, pollination 8533
maturity, assessment 4011, 7310, 8556
mechanical properties, assessment 2683
quality
assessment 3908
growth regulators 2684
maturity 3282
protected cultivation 8541
pruning 7301
temperature 3282
ripening
biochemistry 4738, 7309, 8554
growth regulators 2679, 3279, 6495
position 2000
senescence 8555
set
pruning 8544
temperature 802
size
growth regulators 3279
irrigation 7300
pruning 8544
soil management 7300
thinning
growth regulators 1993, 1999, 2679, 5498, 6494
techniques 6494
fungicides, residues 3268
grading
equipment 2683
techniques 4011
work studies 104
grafting, unions, biochemistry 8538
growth regulators
daminozide, responses 5492
ethylene, metabolism 2001
IAA, determination 6496
paclobutrazol
application 5494
metabolism 4737
responses 103, 1336, 1997, 4735
translocation 4737
growth retardation, growth regulators 5494
handling, techniques 3282
harvesting
equipment 5420
harvesting date
assessment 8556
protected cultivation 5493
herbicides, injuries 742
high density planting
cultural methods 793
meadow orchards 4733
pruning 1335
systems 2674

**Peaches** *cont.*
high density planting *cont.*
training 102, 798, 7302
insecticides
residues 4691, 8553
responses 4740
intercropping, mangoes 8285
interstocks 4732
irrigation
frequency 7284
requirements, determination 8542
responses 1339, 1992, 3278, 6488, 7284, 7300, 8543
systems 3278, 7284
leaves
abscission, physiology 5496
anatomy 2678
composition 4007, 4732, 8549
cytology 5496
development
shade 2678
water relations 4009
drop, growth regulators 3279
senescence 5497
marketing, Europe 7138
nutrients
requirements
analysis 8545-8546
assessment 6491
nutrition
calcium 798, 4008, 4732
magnesium 5492
nitrogen 798, 1995, 4007, 4736, 5492, 7303, 7368, 8547
phosphorus 4007, 7303, 7368
potassium 4007, 5492, 7303, 7368
zinc 8548
nutritional value 5414
pests
*Brachycaudus helichrysi* 7306
bulbuls 8451
control, Bulgaria 8550
*Criconemella* 2631
*Cydia pomonella* 4740
*Dacus cucurbitae* 8505, 8551
magpies 8451
*Meloidogyne* 2631
*Myllocerus nigrosuturalis* 8552
parakeets 8451
*Pratylenchus* 2631
*Quadraspidiotus perniciosus* 7305, 7307
*Tetranychus urticae* 800, 5495
*Xiphinema* 2631
plant
composition 8420, 8546
development
assessment 6492
measurement 7194
phenology 744
vascular system 37
planting, spacing 796
planting stock
production
containers 8547
techniques 3277
size 795
pollen, tubes, development 4010
pollination, research 8533
processing
cultivars 97, 791, 2668-2670, 5492, 7298, 8529-8530
quality, growth regulators 2684
production
Argentina 7204
Chile 7204
Czechoslovakia 2610
France 1270
protected cultivation
systems
greenhouses 4733, 8541
plastic nets 6487
plastic tunnels 5493
pruning
responses 2676, 6489, 8544
seasons 1335, 4734, 8544
systems
assessment 7301
mechanical methods 6490
replanting, cultural methods 1991

**Peaches** *cont.*
- reports
  - German Federal Republic 17
  - USA 3219
- research, Czechoslovakia 1984
- ringing, responses 797
- roots, development, irrigation 3278
- rootstock scion relationships
  - biochemistry 8538
  - compatibility 8538
  - diseases 1989
  - growth 794, 1989-1990, 3275
  - physiology 4732
  - temperature 1989
  - winter hardiness 5439
  - yields 794, 1989-1990, 7302
- rootstocks
  - assessment 794
    - Romania 3274
    - USA 8539
    - USSR 2673
  - characteristics 1915
  - diseases 7299
  - pests 7299
  - propagation
    - cuttings 1331
    - seeds 3274
    - tissue culture 1331, 3276, 4021
- salinity, responses 8549
- seedlings, development, growth regulators 1997
- seeds
  - composition 6496
  - development, physiology 2001
  - germination, biochemistry 4730
  - treatment 98, 4729-4730
  - viability, tests 4731
- shelterbelts 100
- shoots
  - development
    - growth regulators 3279
    - water relations 4009
- soil amendments 4008
- soil management
  - responses 7300
  - systems 7300
- soil sickness, reviews 1991
- soil types 8542
- soilless culture, nutrition 8547
- storage
  - diseases 1340-1341, 5500, 6497
  - disorders 5500
  - physiology 4739, 8557
  - systems, cold storage 2681-2682
  - temperature 1342
  - treatment 6497, 8557
- tissue culture
  - culture media 5491
  - propagation
    - embryos 5491
    - micropropagation 740, 4662
    - responses 1331
- training, systems 46, 101, 2676, 5492, 7302
- transpiration, cultivars 1329
- water relations
  - diurnal variation 4009
  - measurement 8543
  - seasonal variation 4009
  - soil water 8542
- weed control 1334, 5492
- winter hardiness
  - cultivars 7300
  - irrigation 7300
  - physiology, reviews 1996
  - rootstock scion relationships 5439
  - soil management 7300
- wounds, healing 1339
- yields
  - diseases 8550
  - pests 8550

**Peaches × almonds**
- as rootstocks, peaches 794, 2673, 3275, 8538
- tissue culture, culture media 3276

**Peaches × plums,** as rootstocks, peaches 2673

**Peaches × *Prunus davidiana,*** as rootstocks, plums 117

**Peaches × *Prunus munsoniana,*** as rootstocks, plums 117

**Pears**
- bactericides, injuries 8561
- bird repellents, injuries 8451
- cultivars
  - assessment
    - Romania 4741
    - Switzerland 2685
    - Turkey 8559
    - USSR 1344, 4742
  - characteristics
    - Brazil 2688
    - Bulgaria 8446
    - Italy 45
    - USA 5506
  - chilling requirement 2688
  - chromosomes 1349
  - diseases 751, 1344, 2002, 4741, 5424, 5503, 5505-5506
  - drought 3956
  - dwarf cultivars 4742
  - flowering date 5429
  - growth regulators 4744, 6498
  - harvesting 5474
  - high density planting 2691
  - histology 7315
  - nectar 1272
  - parthenocarpy 1349
  - pollination 809, 2692, 5512
  - precocity 5504
  - processing 4742, 5505
  - propagation 5508
  - rootstock scion relationships 805
  - rootstocks 2689
  - storage 2007, 2687, 5479, 5514, 8566
  - tissue culture 2690
  - topworking 1344
  - training 2006
  - winter hardiness 2686, 8446
  - yields 5504
- cultural methods, Italy 2005
- cuttings
  - cultural methods 5508
  - treatment 4743, 7311
- diseases
  - *Agrobacterium tumefaciens* 6418
  - *Botrytis cinerea* 6500
  - control
    - Europe 6439
    - USA 7209
  - *Cytospora sacculus* 4748
  - *Erwinia amylovora* 6499, 8561
  - *Mucor piriformis* 6500
  - *Mycosphaerella chaubattiensis* 4013
  - *Penicillium expansum* 6500
  - *Phialophora malorum* 6500
  - *Pseudomonas syringae* pv. *syringae* 5467
  - rubbery wood 108
  - vein yellows 108
  - *Venturia pirina* 5405
  - viruses 805
- disorders
  - brownheart 4014, 8564
  - chlorosis 4012
  - scald 4014
- drought, resistance, cultivars 3956
- flowers
  - composition 5511
  - development, growth regulators 7312
  - initiation
    - growth regulators 3284, 6498, 7313
    - pruning 7313
    - temperature 109
- frost
  - injuries 5445, 7206
  - resistance
    - bacteria 5416
    - cultivars 2686
    - physiology 7917
- fruits
  - biochemistry, growth regulators 8565
  - composition 22, 47, 765, 2687, 5511, 6465
  - development
    - assessment 8563
    - biochemistry 3286

**Pears** *cont.*
- fruits *cont.*
  - development *cont.*
    - parthenocarpy 2692, 3284
    - physiology 5513
  - drop, pollination 3231
  - flavour, cultivars 4742
  - histology 7315
  - maturity, assessment 8564
  - mechanical properties
    - growth regulators 8565
    - storage 8564
  - quality, assessment 3908
  - ripening
    - biochemistry 3286, 5511
    - physiology 111, 811, 5513
    - storage 5514, 8565
  - set
    - growth regulators 3284, 8562
    - pollination 3231, 3284
  - size, growth regulators 7314, 8562
  - thinning
    - growth regulators 7314
    - techniques 2693
- grafting, cultural methods 2003
- growth regulators
  - chlormequat, responses 105
  - daminozide, responses 105
  - paclobutrazol
    - application 7313
    - responses 105, 4744, 6498, 7314
  - polyamines, responses 8562
- growth retardation, growth regulators 7314
- harvesting
  - equipment 76
  - harvesting date, assessment 1350, 5474
  - techniques, once over harvesting 5474
- herbicides
  - injuries 742
  - residues 8426
- high density planting
  - pruning 2691
  - rootstocks 2691
- interstocks 2003, 2689
- nutrients, requirements, analysis 4746
- nutrition
  - iron 4012, 5482
  - nitrogen 106, 2628, 4012, 4745, 5458
  - phosphorus 106, 4012, 4745, 5458
  - potassium 106, 4012, 4745, 5458
  - trace elements 5509, 7422
- pesticides, application 7209
- pests
  - bulbuls 8451
  - control
    - Europe 6439
    - USA 7209
  - magpies 8451
  - parakeets 8451
  - *Quadraspidiotus perniciosus* 7305
  - surveys, techniques 743
- plant
  - composition 1692
  - development, phenology 744
- planting
  - spacing 2005
  - systems 2005
- planting stock, production, containers 9026
- pollen, germination, cultivars 1349
- pollination
  - cultivars 109, 809, 5512
  - pollinators, Apoidea 3231
- processing
  - cultivars 4742, 5505
  - quality, storage 810
- production
  - Argentina 7204
  - Chile 7204
  - Czechoslovakia 2610
  - France 1270
  - Netherlands 5501-5502
- propagation, techniques 2003
- pruning
  - responses 7313
  - systems, mechanical methods 2006

**Pears** *cont.*
- reports
  - Berlin 2585
  - Cyprus 731
  - German Federal Republic 14, 16-17, 732, 3916
- research, France 3229
- roots, composition 2628
- rootstock scion relationships
  - growth 1343, 8462
  - nutrition 4745
  - yields 805, 1343, 8462
- rootstocks
  - assessment 1343, 1933, 2689
  - characteristics 2003
    - Denmark 6415
  - propagation
    - cuttings 5508
    - tissue culture 1931, 2004
- seeds, composition 5511
- shoots
  - composition 107, 807
  - development, growth regulators 3283, 6498
- soil amendments 4012
- storage
  - cultivars 2687
  - diseases 1306, 2002, 5480, 6500
  - disorders 1305, 4014, 5479-5480, 8564
  - losses 5479
  - physiology 111, 3286, 6500
  - precooling 3285
  - quality
    - assessment 6465, 8564
    - cultivars 8566
    - harvesting date 1350, 3285, 5479, 8564
  - systems
    - cold storage 810, 2007, 5514
    - controlled atmosphere storage 79, 110, 810, 2007
      - reviews 1305
  - temperature 5479, 8566
  - treatment 1306, 1350, 4014, 6500, 8565
- tissue culture
  - culture media 1345
  - metabolites, production 9076
  - propagation
    - meristems 1345, 2690
    - micropropagation 806, 4662
    - techniques 2004
  - responses, growth regulators 1348
  - senescence 1348
- training
  - systems 46
    - reviews 2006
- weed control 1346, 7208-7209
- winter hardiness, cultivars 5504
- yields, diseases 108

**Peas**
- buds
  - development
    - growth regulators 4268, 4930
    - water relations 4928
- climate, requirements 5790
- cold, responses 5825
- cultivars
  - assessment
    - Belgium 7654
    - Brazil 5780
    - Czechoslovakia 7655
    - Hungary 7656
    - UK 8803
    - USSR 5616
  - characteristics, USSR 5782
  - diseases 2137, 4247, 5780, 5804
  - disorders 6689-6690
  - drought 5781
  - dwarf cultivars 5788
  - germination 2139, 8807
  - growth 4239, 4269
  - height 2876
  - herbicides 6687, 8808
  - identification 8802
  - morphology 4239
  - nutrition 275, 4917, 5798, 8807, 8813
  - physiology 2876, 5788
  - processing 2137, 7655

**Peas** *cont.*
- cultivars *cont.*
  - sowing date 2138, 2871, 5785
  - spacing 272
  - yields 5780, 5785
- cultural methods, slopes 5779
- cuttings, sources, cultural methods 1255
- cytology 934, 5808
- diseases
  - *Ascochyta pisi* 4247
  - control, India 1504
  - *Erysiphe pisi* 7671
  - *Erysiphe polygoni* 4248
  - fungi 1500, 3432
  - *Fusarium* 5779, 5804
  - *Mycosphaerella pinodes* 4247
  - *Phoma medicaginis* 4247
  - *Pythium ultimum* 7672
  - *Rhizoctonia* 1505
- disorders
  - chlorosis 935, 8814
  - hollow heart 6689-6690
- drought, resistance, physiology 5781
- flooding 5791
- flowers, drop, light 6697
- frost, injuries 7151
- geotropism 933, 3459
- growing media, composition 1898
- growth regulators
  - ABA
    - biosynthesis 5766
    - composition 4269
    - determination 2144
    - responses 1509
  - auxins, responses 3457
  - brassinolide, responses 7688
  - ethephon, responses 7688
  - ethylene, metabolism 2872
  - fusicoccin
    - physiology 8828
    - responses 7688
  - GA, responses 4269, 7688
  - gibberellins
    - biosynthesis 5788
    - composition 279
    - physiology 3456
  - IAA
    - composition 7659
    - physiology 2877, 7689, 8828
    - responses 7688
  - jasmonic acid, composition 8827
  - kinetin, responses 1510
  - NAA, physiology 8828
  - polyamines, metabolism 1512
  - steroids, responses 8829
  - zeatin, responses 7688
- harvesting, techniques, mechanical harvesting 5834
- heat, treatment 6693
- herbicides
  - injuries 6687
  - physiology 3443
  - tolerance 5793, 6687
- irrigation, requirements, determination 5795-5796
- leaves
  - biochemistry 6694, 7677, 7693, 8826
    - iron 931
    - light 7686-7687
  - composition 929, 1912, 2084, 2143, 3452, 4251, 4859, 5766, 5829, 7685, 7694, 8822
  - development, cytology 7676
  - histology 6692
  - physiology 936, 1502, 4249, 4252-4254, 4257
- mycorrhizas 4243, 5798-5799
- nutrients, absorption, physiology 7683
- nutrition
  - boron 5802
  - calcium 273, 930
  - copper 8814
  - iron 931, 935, 1502, 8813-8814
  - magnesium 273
  - nitrogen 273-276, 2140, 2870, 2874, 3451, 4242, 4244-4245, 4826-4827, 4917-4918, 5791, 5800-5803, 7667, 7681-7682, 8810-8812

**Peas** *cont.*
- nutrition *cont.*
  - phosphorus 273-274, 4243, 4245-4246, 4826, 4917-4918, 5798, 5800, 7668-7669, 8812, 8814
  - potassium 273-274, 4245, 4826, 5800, 7455
  - trace elements 7670
  - zinc 1510
- pesticides, injuries 5403
- pests
  - *Acyrthosiphon pisum* 276
  - *Bruchus pisorum* 276
  - *Cydia nigricana* 276
  - *Scutigerella immaculata* 4105
  - *Sitona* 276
  - *Thrips tabaci* 7673
- photosynthesis
  - age 936
  - arsenic 4927
  - biochemistry 941, 2875, 3434, 3439-3442, 3445, 3447-3451, 3453-3455, 4255-4256, 4258-4260, 4263-4266, 4920-4924, 5654, 5807, 5809-5819, 5821-5823, 6601, 8706, 8818-8820, 8822-8823
  - diurnal variation 4925
  - growth regulators 1509
  - inhibitors 3443, 4262
  - lead 4240
  - light 938-940, 3435, 3446, 4256, 4926-4927, 5812, 5825, 5827
  - physiology 2300, 3226, 3436-3437, 3444, 8821
  - research 3438, 4261, 5820, 5824, 8817
  - temperature 4262, 5825-5827, 7679
- plant
  - biochemistry
    - growth regulators 2878, 3458
    - light 937, 2142, 7692
    - sugars 7697
  - composition 1511-1513, 2141, 2146, 5831-5832, 7678, 7691, 7696, 8706, 8816, 8830
  - development
    - apical dominance 277, 4930
    - assessment 7675
    - climate 945
    - cytology 933
    - growth regulators 3457
    - light 2876
    - physiology 2876
  - physiology 8434, 8697
- pods
  - drop, light 6697
  - ripening, physiology 8831
- pollution
  - lead 4240
  - nitrogen oxides 2872
  - ozone 2872
- processing, cultivars 2137
- protected cultivation, systems, plastic tunnels 5792
- reports
  - Colombia 3213
  - Cyprus 731
- respiration
  - biochemistry 7680
  - photorespiration 8824
- roots
  - anatomy 5805
  - biochemistry 6695-6696
    - enzymes 1514
    - growth regulators 2145
    - light 5828
    - nutrition 5803
    - salinity 5803
    - sugars 944
  - composition 5828, 7685, 7695
  - cytology 3427, 4250
  - development
    - assessment 932
    - growth regulators 3457, 4931, 7610
    - histology 7674
    - light 4931
    - physiology 5806
    - soil compaction 1506-1507, 5797

**Peas** *cont.*
roots *cont.*
nodulation 928, 1514, 2873, 4241, 4244, 5800, 6688, 7666-7668, 8810
physiology 942, 1515, 2918, 3460, 7683
root hairs, biochemistry 3433
salinity, responses 1503, 5803
seedlings
development
biochemistry 943, 4932, 5830
growth regulators 2877, 4929, 8827
light 4267, 8827
physiology 3456, 4919, 5806, 8815
sulphuric acid 278
temperature 8806
treatment 6686
seeds
composition 279, 1499, 4206, 5783-5784, 5832, 7657, 7659-7660, 7690, 8804, 8813
cytology 1508
development
biochemistry 7698
water relations 7658
germination
biochemistry 2139, 5789, 7661-7663
cultivars 8807
physiology 5787-5788, 8805
temperature 8806
water relations 2127, 5787, 5789
maturity, assessment 5833
mechanical properties, assessment 5833
physiology 6689-6690
sowing
depth 5779
equipment 5786
row orientation 5779
sowing date 273, 2138, 2871, 5785
spacing 272, 5779
storage, physiology 4816, 5711
treatment 1500, 1505, 2870, 3432, 4949, 6686, 7444, 7672
viability, tests 4817, 8831
senescence, physiology 7192
shade, responses 6697
soil amendments 7447
soilless culture, nutrition 5802
tissue culture, organogenesis 7664
translocation
growth regulators 4929
measurement 7684
physiology 8825
transpiration, lead 4240
water relations, physiology 7683
weed control 276, 1501, 3431, 5793-5794, 6687, 7665, 8808-8809
yields
correlation 4239, 4270
pests 8832

**Peat**
utilization
casing
*Coprinus comatus* 3523
mushrooms 4987
fertilizers, tomatoes 2909
growing media
apples 8474
aubergines 6703
bedding plants 6771
*Begonia hiemalis* 7858
*Capsicum* 297-298, 307, 6703, 7720
cherries 2656
chrysanthemums 1571, 8953-8954
*Codiaeum variegatum* 4394
container grown plants 3618
cucumbers 6648
*Cyclamen persicum* 3566, 5030
*Cymbidium* 451
*Exacum affine* 3624
foliage plants 2252, 5053, 8997
*Freesia* 4372
*Gerbera* 8955

**Peat** *cont.*
utilization *cont.*
growing media *cont.*
*Hedera helix* 3624
lawns and turf 4385
leeks 7720
*Lonicera* 3644
*Narcissus* 7870
*Nephrolepis exaltata* 442, 9006
olives 9285, 9294
onions 865
ornamental plants 8944
*Papaver nudicaule* 5023
peaches 5490, 8547
pot plants 6048, 8942, 8946, 9002-9003
*Radermachera sinica* 5063
*Serenoa repens* 3005
strawberries 2735
*Tagetes patula* 5025
tomatoes 3500, 4960, 6731, 8885, 8892-8893, 8906
*Vaccinium* 2031
vegetables 6728
woody plants 2982, 3615, 5070, 8945
mulches
cucumbers 3394
tea 1871
soil amendments, tomatoes 8894
soilless culture
chrysanthemums 8954
fruit crops 6527
tomatoes 4961
tissue culture, *Pelargonium zonale* 3550

**Pecans**
air layering, treatment 6502
cover crops, responses 7316
cultivars
assessment, South Africa 7317
diseases 8568
flowering 7322
growth regulators 6503
propagation 1351
tissue culture 7318
yields 7316
cultural methods, Italy 2587
cuttings 6501
diseases, *Cladosporium caryigenum* 8568
dormancy
fungicides 1352
herbicides 1352
potassium nitrate 1352
flooding 7319
flowers, initiation, physiology 7321
fruits
drop, cultivars 7322
set, cultivars 7322
grading, techniques 42
growth regulators, paclobutrazol, responses 112, 5516
growth retardation, growth regulators 5516, 6503
handling, techniques 4750
layering, treatment 6502
leaves
anatomy 113
composition 1912
development, water relations 6506
senescence 6504
nutrients, requirements, analysis 8418
nutrition
calcium 4015
phosphorus 7319
potassium 812
zinc 813
nuts
quality
cultivars 7317
growth regulators 6503
harvesting date 3287
pests
*Curculio caryae* 8567
*Eotetranychus hicoriae* 8567
*Melanocallis caryaefoliae* 8567
*Monellia caryella* 8567
*Monelliopsis pecanis* 2008, 8567
photosynthesis
flooding 7320

**Pecans** *cont.*
photosynthesis *cont.*
fruiting 6504
water relations 6506
plant, composition 814, 8420
pruning, responses 7321
rootstocks, propagation, seeds 1351
soil amendments 4015
soil management
responses 7316
systems 7316
stooling, techniques 4749
surfactants, responses 6114
tissue culture, embryogenesis 7318
transpiration
flooding 7320
water relations 6506
trichomes 113
water relations, measurement 6505

**Pectins**
composition
apples 8456
cherries 2655
fruit crops 5414
horticultural crops 184
kiwifruits 3302
onions 201
*Osmunda asiatica* 4400
*Phaseolus vulgaris* 5750
determination, fruit crops 22
metabolism
biochemistry, mangoes 9361
gamma radiation, tomatoes 8916
growth regulators, watermelons 8762
physiology
cucumbers 3403
guavas 698
ripening
*Aegle marmelos* 4601
*Litchi* 4555
peaches 4739
strawberries 7369
tomatoes 2170, 7787
*Ziziphus spina-christi* 6360
storage
*Capsicum* 4942
*Litchi* 4555
peaches 2682
water relations, *Cucurbita maxima* 898-899
responses, oranges 9274

***Pectis,*** chromosomes 7825

***Pedicularis pectinata,*** roots, composition 5213

***Peganum harmala***
plant, composition 2338
tissue culture, metabolites, production 1158

***Pelargonium***
cultivars
characteristics, USSR 999
temperature 1000
cuttings, storage 2210
diseases, *Xanthomonas campestris* pv. *pelargonii* 6772
flowers
development
light 1580, 6782
temperature 1580, 6782
initiation
light 1580
temperature 1580
morphology 5015
reports, German Federal Republic 14, 17, 3216
seedlings, production, containers 8959
seeds, development, cultivars 5015
taxonomy, nomenclature 6780
tissue culture, propagation, techniques 3551

***Pelargonium graveolens***
cuttings, treatment 6781
irrigation, frequency 5130
soil conditioners, responses 5130

***Pelargonium hortorum***
cultivars
assessment, Norway 5996
bedding plants 2943, 5996
diseases 1578
pot plants 2943, 5014

***Pelargonium hortorum*** *cont.*
cultural methods, pot plants 5014
diseases, *Pythium ultimum* 1578
irrigation, water, composition 372
seedlings
production
containers 2943
cultural methods 388
soilless culture, nutrient solutions, salinity 6771
***Pelargonium peltatum***
cultivars
assessment, Norway 5996
bedding plants 5996
cuttings
sources, cultural methods 1579
treatment 6781
protected cultivation, carbon dioxide 1579
***Pelargonium zonale***
cuttings
sources, cultural methods 1579
treatment 6781
leaves, biochemistry, assessment 389
protected cultivation, carbon dioxide 1579
respiration, physiology 8960
tissue culture
biochemistry 6868
propagation, techniques 3550
***Peltophorum pterocarpum,*** tissue culture, propagation, anthers 3648
***Pemphigus bursarius,*** lettuces 4132
***Penicillium***
*Asparagus* 2881
cherries 1325
dates 8209
feijoas 3858
grapes 1388
*Narcissus* 7870
*Pleurotus sajor-caju* 365
raspberries 2028
tulips 1607
***Penicillium claviforme,*** *Capsicum* 7731
***Penicillium digitatum***
*Citrus* 1808
mandarins 3148
plums 1355
pummelos 8207
tomatoes 4330
***Penicillium expansum***
apples 778, 3976, 7273
pears 2002, 6500
***Penicillium godleuskii,*** control, of *Sclerotium cepivorum,* onions 2798
***Penicillium hirsutum,*** *Lilium* 6031
***Penicillium pinophilum,*** *Vicia faba* 3424
***Pennisetum clandestinum,*** as weeds, lawns and turf 4386
***Penstemon barbatus,*** seedlings, production, cultural methods 4345
***Penstemon confertus,*** leaves, composition 603
***Penstemon hirsutus,*** leaves, composition 6969
***Pentaclethra macrophylla,*** seeds, composition 1187
***Pentaphragma horsfieldii,*** plant, composition 5156
***Pentas lanceolata,*** cultural methods, pot plants 6014
***Peperomia,*** plant, anatomy 3599
***Peperomia caperata,*** protected cultivation, temperature 2247
***Peperomia metallica,*** leaves, biochemistry, light 7905
***Peperomia obtusifolia***
cultural methods
interior decoration 4388
pot plants 3589, 3600, 5053, 6049, 8996
diseases, *Phyllosticta* 9007
leaves, spectral data 6825
plant, development, temperature 2970
protected cultivation, light 5942
***Peperomia rotundifolia,*** plant, composition 8094
***Peperomia subespatulata,*** plant, composition 4511
**Peptides**
characterization
*Scutellaria rivularis* 2433
spinach 6595
*Ziziphus* 1876
composition
*Cucurbita pepo* 4900
*Momordica charantia* 3034
peas 4922
*Pharbitis nil* 7845
spinach 4845
metabolism
growth regulators, watermelons 2847
light, watermelons 2847
physiology, peas 4252-4253
senescence
carnations 2204
radishes 4886
tissue culture, carrots 7806
***Perezia longifolia,*** roots, composition 6970, 9187
***Perezia thurberi,*** plant, composition 3032
***Perileucoptera coffeella,*** coffee 2553, 3879, 6304
***Perilla,*** senescence, physiology 7192
***Perilla frutescens***
cultivars, growth 3686
flowers, composition 1677
photoperiodism 1678, 3686
plant, composition 9097
seeds, dormancy, physiology 4984
tissue culture, biochemistry 5150
***Periploca nigrescens,*** leaves, composition 1758
***Periploca sepium,*** roots, composition 5214
**Perlite**
utilization
growing media
bedding plants 6771
*Begonia hiemalis* 7858
chrysanthemums 1571
foliage plants 5053
*Gerbera* 5993
*Lonicera* 3644
*Nephrolepis exaltata* 442, 9006
olives 9285
ornamental plants 8944
peaches 5490, 8547
pot plants 8946, 9002-9003
*Radermachera sinica* 5063
*Syngonium podophyllum* 6055
tomatoes 4313, 4960, 7783, 8885
woody plants 2982
soilless culture
fruit crops 6527
tomatoes 8889-8890
tissue culture, *Pelargonium zonale* 3550
***Peromyscus maniculatus,*** apples 1954
***Peronospora arborescens,*** *Papaver somniferum* 1754
***Peronospora destructor,*** onions 194, 7478, 8686
***Peronospora farinosa,*** spinach 7494
***Peronospora matthiolae,*** *Matthiola incana* 5022
***Peronospora parasitica***
cabbages 8717
radishes 6637
***Peronospora radii***
*Chrysanthemum coronarium* 4357
*Chrysanthemum frutescens* 4357
***Persea*** (*see also* Avocados)
***Persea schiedeana***
roots, physiology 5259
tissue culture, propagation, techniques 5251
water relations, physiology 5259
**Persimmons**
budding
seasons 8225
techniques 3862, 8224
cultivars
assessment, USSR 8226
biochemistry 675-676, 4561
identification 6274
nutritional value 1819
fruits
biochemistry, storage 3863
**Persimmons** *cont.*
fruits *cont.*
composition 1213
cytology 675-676
flavour, packing 3160
ripening, biochemistry 40
spectral data 8436-8437
growth regulators, brassinosteroids, composition 7190
landscaping, roadsides 7050
leaves
composition 1212
spectral data 8436-8437
pests, *Hyphantria cunea* 7050
planting, spacing 8226
production
Argentina 7204
Australia 7139
Chile 7204
USSR 5381
pruning, systems, root pruning 9299
reports, New Zealand 734
seeds, biochemistry, cultivars 4561
storage
losses 3161
packing 3160
systems, controlled atmosphere storage 5289
taxonomy, chemotaxonomy 6274
training, systems 8226
transport, refrigeration 3161
***Pestalotia, Chamaerops*** 7897
***Pestalotia longiseta,*** tea 8345
***Pestalotia theae,*** tea 44
***Pestalotiopsis versicolor,*** avocados 2476
**Pesticidal plants,** plant, composition, reviews 9082
**Pesticides** (*see also* Acaricides; Antibiotics; Bactericides; Bird repellents; Fungicides; Herbicides; Insect attractants; Insect repellents; Insecticides; Nematicides)
carbofuran, residues, lettuces 6616
chlozolinate, residues, lettuces 6616
iron chelates, application, oranges 8200
parathion-methyl, residues, lettuces 6616
reviews, injuries, horticultural crops 5403
***Petchia ceylanica,*** plant, composition 8095
***Petilium*** (*see Fritillaria)*
***Petroselinum crispum***
cultivars
assessment, USSR 2786
biochemistry 7443
growth 1670
herbicides, injuries 5923
leaves, composition 4830, 4859, 7443
pests
control, Switzerland 4104
*Psila rosae* 7801
plant, composition 1692, 4831
processing, quality, assessment 2936
seedlings, development, biochemistry 5106
seeds
sowing, sowing date 7958
treatment 7958
weed control 5923
***Petroselinum crispum*** **subsp.** ***tuberosum***
processing, quality, assessment 2936
seeds
sowing, depth 358
treatment 3511
***Petteria ramentacea,*** plant, composition 641
***Petunia***
breeding
genetic engineering 1581
male sterility 390
techniques 2944
chromosomes 2944
flowers, colour, genetics 1581, 7846
genetics 2212, 3552
irrigation, water, composition 372
leaves, variegation, genetics 5997
photosynthesis
biochemistry 2211
physiology 8962
plant, biochemistry, genetics 2212

***Petunia** cont.*
pollen
composition 2213
tubes, development 3553
pollination, biochemistry 1582
respiration, tissue culture 390
roots, development, biochemistry 5999
salinity, tolerance 1562
seedlings
production
containers 3610
protected cultivation 987
tissue culture
explants, sources 3535
organogenesis 4347, 5999
physiology 390
***Petunia alpicola,*** tissue culture, propagation, protoplasts 5998
***Petunia axillaris,*** mutants, genetics 8961
***Peucedanum***
plant, composition 6215-6216
roots, composition 9188
***Pezicula alba,*** apples 1307
***Pfaffia iresinoides,*** roots, composition 6895
***Phaeoisariopsis,*** grapes 8630
***Phaeoisariopsis griseola,*** *Phaseolus vulgaris* 7636
***Phalaenopsis***
cultural methods, pot plants 450
cut flowers, production, protected cultivation 450
flowers, morphology 6062
growth regulators, growth inhibitors, composition 6836
mycorrhizas 9017
tissue culture
culture media 3607
organogenesis 6833
propagation, techniques 448
***Phalaenopsis amabilis,*** tissue culture, propagation, micropropagation 7908
***Phanerophlebia falcata*** (*see Cyrtomium falcatum)*
***Pharbitis*** (*see also Ipomoea)*
***Pharbitis nil***
flowers
composition 7845
development, growth regulators 387
initiation
biochemistry 998
growth regulators 997
light 2209, 7844
geotropism 996
growth regulators
ethephon, responses 996
GA, composition 25
photoperiodism 386, 997
plant, development, apical dominance 996
pollution
ozone 8769
peroxyacetyl nitrate 8769
sap, composition 386
seeds, composition 25
***Pharbitis purpurea***
cuttings, sources, etiolation 1256
flowers, colour, genetics 2942, 5995
growth regulators, brassinosteroids, composition 7190
seeds, composition 7843
***Phaseolus***
diseases, *Rhizoctonia solani* 6393
marketing, Europe 7138
protected cultivation, soil heating 6393
reports
Cyprus 731
German Federal Republic 15
seeds, physiology 907
soil management, systems 7452
taxonomy, chemotaxonomy 6665
***Phaseolus acutifolius,*** growth regulators, zeatin, metabolism 907
***Phaseolus coccineus***
cold, responses 2083
growth regulators, zeatin, metabolism 907
leaves
movements
cytology 4910
physiology 7640
pods, quality, wind 5751
***Phaseolus coccineus** cont.*
protected cultivation
energy conservation 6399
systems, plastic tunnels 6399
reports, German Federal Republic 3215
seeds, composition 4206
water relations, temperature 2083
wind, responses 5751
***Phaseolus lunatus***
nutrition, nitrogen 5755
pests
*Empoasca fabae* 3416
*Epilachna varivestis* 3416
plant, biochemistry 5768
***Phaseolus vulgaris***
allelopathy 6333
antibiotics, responses 5763
bibliographies 4199
cold, responses 2083
cultivars
assessment
Bulgaria 2853
Romania 4205
USSR 3911
biochemistry 8785
characteristics
Bulgaria 2125, 7742
Chile 259, 5746
India 260
USA 7618
Yugoslavia 4202
diseases 259, 1485-1486, 1489, 2125, 4200-4202, 5746, 7616, 7618, 7742, 8766
germination 6577
intercropping 5753
lodging 2852
mechanical harvesting 2852, 7618, 7742
nutrition 265, 1487, 2852, 2858, 4215, 4217, 5745, 6674
pests 914, 4902
pollution 7617
soil types 4209
temperature 1491
yields 5753, 8766
cultural methods, agroforestry 6670
cuttings
sources
cultural methods 2861
etiolation 1256
treatment 4909
cytology 934
diseases
*Aphanomyces* 7635
bean golden mosaic virus 7996
*Colletotrichum lindemuthianum* 8776
fungi 1489
*Fusarium solani* f.sp. *phaseoli* 5757
*Macrophomina phaseolina* 4223
*Phaeoisariopsis griseola* 7636
*Pseudomonas syringae* pv. *phaseolicola* 5756
*Pythium paroecandrum* 5757
*Rhizoctonia* 5758
tobacco mosaic virus 7996
*Uromyces appendiculatus* 3415
disorders, chlorosis 7633
drought, resistance, physiology 8778
electrical properties, diurnal variation 1914
flowers, drop, cultural methods 4912
fungicides
residues 3415
responses 8781
growth regulators
ABA
biosynthesis 5765-5766
physiology 915
brassinosteroids, composition 7190
chlormequat, responses 6671
cytokinins, determination 7642
daminozide, responses 6671
dimethipin, responses 919
ferulic acid, responses 2862
flurprimidol, responses 1047
GA, responses 6671
gibberellins, composition 279
IAA, responses 2861
IBA, responses 2861
***Phaseolus vulgaris** cont.*
growth regulators *cont.*
morphactins, responses 2861
NAA, responses 2861
nitroguaiacol, responses 4229
nitrophenolate, responses 4229
paclobutrazol, responses 5759, 7623
PPG-1721, responses 7572
triadimefon, responses 8781
uniconazole, responses 7624
growth retardation, growth regulators 6409, 7156
harvesting, techniques, mechanical harvesting 4232-4233, 5769
herbicides
injuries 177, 1424, 2128, 4822, 5754
tolerance 5793
insecticides
injuries 7638
residues 4905-4906
intercropping
coffee 5753
sugarcane 4207
tung 1214
irrigation
requirements, determination 2856
responses 2857, 4912, 8772
leaves
abscission, physiology 3420, 5767
composition 264, 2132, 5766
cytology 6668
development
growth regulators 2862
physiology 918, 4224, 6676, 7641
root pruning 4907
temperature 4907, 6676
water relations 7641
drop, growth regulators 2862
histology 919, 2130, 6668
movements, physiology 1490
physiology 1914, 2131, 3417, 3421, 8672
senescence 1900
lodging
cultivars 2852
nutrition 2852
mycorrhizas 7628-7629
nutrients
absorption
manganese 265
soil compaction 910-911
zinc 268
nutrition 4208
calcium 264, 6675
chromium 1488
copper 267
green manures 4212, 6673
iron 2129, 8774
manganese 265, 4221, 7633
molybdenum 8775
nitrogen 262-263, 913-914, 916, 1487, 1491, 2852, 2858-2859, 3412-3414, 4207, 4210-4211, 4213-4217, 4826, 5897, 6672, 6674, 7630-7631, 8772-8773
phosphorus 262, 913, 1487, 2859, 3412, 4207, 4212-4213, 4216-4220, 4826, 5745, 5897, 6673, 6675, 7628, 7631-7632
potassium 262, 264, 913, 3412, 3417, 4207, 4213, 4826, 5897, 6674-6675
sulphur 913
trace elements 913
zinc 2859, 4222, 7632, 7634
pests
control, Australia 7637
*Delia platura* 7638, 8777
*Empoasca fabae* 3416
*Epilachna varivestis* 3416, 7639
*Liriomyza sativae* 914
*Maruca testulalis* 4905
photoperiodism 917
photosynthesis
aluminium 266
biochemistry 3419, 4225, 4227, 5761, 8779
growth regulators 915, 4908
inhibitors 7622

***Phaseolus vulgaris*** *cont.*
photosynthesis *cont.*
light 916, 3419
phenolic compounds 4908
physiology 3418, 4226, 5762, 8672
potassium 3417
soil compaction 7627
temperature 5764
water relations 3417, 6677, 8778
plant
biochemistry, gamma radiation 923, 8782
composition 922, 2863, 3937, 4230, 8784
development
apical dominance 2131
bacteria 4824
carbon dioxide 5760
mathematical models 6379
soil compaction 911-912
temperature 1491
pods
development
biochemistry 269
detergents 7645
nutrition 7645
physiology 2864
sugars 7645
drop, cultural methods 4912
pollen
viability
temperature 7644
water relations 7644
pollution
acids 909
aluminium 7625
cadmium 4903
fluorine 7625
heavy metals 7621
ozone 5752, 6668, 7617, 8769
peroxyacetyl nitrate 8769
research 7622
sulphur dioxide 7623-7624
protected cultivation
nutrition 7626
soil fumigation 6582
spacing 7626
systems, greenhouses 6390
reports, German Federal Republic 16
respiration, ozone 5752
rhizosphere, microorganisms 4211, 4824
roots
biochemistry 7643
composition 5766
development
biochemistry 921, 5759
growth regulators 5759
soil water 2857
nodulation 1487, 3413, 4210-4211, 4904, 7628-7631, 8770-8771, 8773, 8775
rotations 263, 1424
salinity, responses 2860, 7626
sap, composition 6674, 6679
seedlings
development
growing media 6666
herbicides 5754
seeds
colour, assessment 261
composition 279, 4203-4204, 4206, 5618, 5747-5748, 7619, 8785
development
biochemistry 269, 2126, 2865
cytology 8767
physiology 2864
germination
biochemistry 3409, 8768
cultivars 2855
growing media 6666
light 2854
nutrition 262
pesticides 6577
physiology 908, 5618
soil water 262
temperature 6577
water relations 2127, 2854, 5750
histology 2865, 5749-5750
morphology 261
physiology 7620

***Phaseolus vulgaris*** *cont.*
seeds *cont.*
size, assessment 261
sowing
sowing date 4205, 5753
spacing 3412, 4205
treatment 2854, 4223, 5750, 5756, 7635, 7638, 8778
senescence 1492
shade, responses 6669
soil aeration, responses 4208
soil amendments 4219-4220, 7447
soil compaction, responses 912, 7627
soil types 911-912, 2856, 4208-4209, 4218, 7629
soil water, responses 2857, 3412
statistical methods, experimental design 6380
storage
disorders 1407
quality, assessment 8673
thigmotropism 920
tissue culture
biochemistry 4231, 8783
responses, salinity 4911
translocation
aluminium 266
physiology 4228, 6678, 8780
salinity 2860
transpiration
growth regulators 919, 4908
phenolic compounds 4908
water relations
biochemistry 5765
cytology 2130
growth regulators 8781
lead 6667
physiology 6669, 6677
temperature 2083
weed control 177, 2128, 3352, 3410-3411, 5793
***Phellinus igniarius,*** grapes 5599, 6566
***Phellinus noxius, Hevea*** 1849
***Phellodendron amurense***
fruits, composition 6971
plant, composition 2370
shoots, development, defoliation 4424
**Phenolic compounds**
absorption, cucumbers 253
biosynthesis
carrots 5927
*Coleus blumei* 9139
*Pimpinella anisum* 9079
characterization
*Acer ginnala* 4426
*Arctostaphylos uva-ursi* 547
*Caesalpinia sappan* 2356, 3058
*Combretum caffrum* 1727
*Echinacea purpurea* 8058
*Erythrina crista-galli* 3754
*Ferula latipinna* 7998
*Flacourtia indica* 1215
*Gardenia jasminoides* 9156
*Lawsonia inermis* 9170
*Libanotis buchtormensis* 590
*Lilium longiflorum* 411
*Lindera praecox* 4501
*Murraya exotica* 1749
*Vitex rotundifolia* 4529
composition
*Allium chinense* 2343
*Alpinia formosana* 3717
*Amelanchier alnifolia* 3297
apples 8520
*Artemisia caerulescens* 3712
*Asparagus* 3465
*Astragalus orbiculatus* 9122
avocados 5260
*Caesalpinia decapetala* 3056
*Calamintha sylvatica* 3712
carnations 5965
*Castanea mollissima* 4724
*Citrus* 8168
*Cochlospermum tinctorium* 2368
*Coelogyne flaccida* 5067
coffee 5306, 7076
*Combretum caffrum* 1118
*Curcuma longa* 1666
*Digitalis purpurea* 1732
*Elaeagnus angustifolia* 9151
*Ephedra fragilis* 576

**Phenolic compounds** *cont.*
composition *cont.*
*Euphorbia ferganensis* 9122
*Ferula* 3079
*Filipendula ulmaria* 40
*Garcinia huillensis* 3083
*Ginkgo biloba* 2385
globe artichokes 871
grapes 4094
guavas 697
hops 1683
*Hypericum hirsutum* 6959
*Ilex* 2392
*Kalanchoe laciniata* 6201
medicinal plants 8004
*Mitragyna speciosa* 6964
*Mucuna birdwoodiana* 2404
mushrooms 5936
*Mutisia acuminata* 3778
*Ocimum basilicum* 8082
*Oenanthe javanica* 7812
okras 1519
*Ononis pubescens* 3712
*Origanum dictamnus* 3783
*Origanum majorana* 1071
*Osbeckia chinensis* 3785
*Paeonia suffruticosa* 3098
*Pharbitis purpurea* 7843
*Phaseolus vulgaris* 5750
*Pimpinella anisum* 9057
plums 8168
*Poa huecu* 1165
raspberries 40
*Rhus typhina* 1660
*Rosa* 40
*Salvia miltiorrhiza* 9198
*Sanguisorba minor* 618
*Senecio nemorensis* 2434
tea 1237
*Tephrosia candida* 9095
*Thymus carnosus* 1178
*Tinospora malabarica* 5236
tomatoes 5871
*Typha latifolia* 6047
*Urginea maritima* 3701
*Vaccinium myrtillus* 2720
*Vanilla planifolia* 9065
*Zingiber officinale* 3663-3664
*Ziziphora taurica* 7990
determination
*Artemisia scoparia* 551
*Capsicum* 2892
carrots 4132
grapes 3348, 4093
lettuces 4132
*Myristica* 5101
*Prunus* 4754
extraction
*Glycyrrhiza glabra* 1063
*Glycyrrhiza inflata* 1063
*Glycyrrhiza uralensis* 1063
*Lithospermum erythrorhizon* 1063
*Lithospermum officinale* 8079
*Lycopus* 8079
exudation
coconuts 6300
Orchidaceae 3609
tomatoes 5464
metabolism
arsenic, avocados 3123
biochemistry
grapes 3347
*Tradescantia virginiana* 6798
boron
broccoli 5688
tomatoes 8909
calcium, avocados 3123
dormancy
*Costus speciosus* 8048
*Crocus sativus* 6863
environment
grapes 4789
tea 3204
fruiting, olives 8220
fungicides
onions 4117, 7480
tomatoes 344
germination, peaches 4730
growth regulators
apples 1943, 8470
*Crocus sativus* 6863

**Phenolic compounds** *cont.*
metabolism *cont.*
growth regulators *cont.*
*Litchi* 7035
*Pharbitis nil* 996
plums 8585
irrigation, *Thymus capitatus* 518
nitrogen
hops 3692
tea 3196
nutrition, plums 8581, 8585
physiology
*Anethum sowa* 3670
apples 2633, 3266
apricots 3993
cucumbers 254
*Lansium domesticum* 2576
olives 3860
*Spathiphyllum wallisii* 444
potassium, tea 9403
pruning, peaches 8544
ripening
apples 8514
bananas 1826
coffee 694
*Litchi* 7035
peaches 7308-7309
pears 5513
sugarcane 3193
rooting
*Petunia* 5999
*Pyrus pyrifolia* 8560
seasonal variation
coffee 8263
grapes 3345
hazelnuts 8526
*Thymus capitatus* 518
senescence, *Litchi* 7035
storage
apples 7274
longans 2532
rambutans 2532
tissue culture
*Centaurium erythraea* 4483
grapes 844, 2761
medicinal plants 5150
*Trachyspermum ammi* 6886
trace elements, *Thymus capitatus* 6232
responses
cherimoyas 9304
lemons 3124
limes 7019
okras 3473
*Phaseolus vulgaris* 4908
plums 4020
taxonomy, apples 2613
***Phialocephala fortinii,*** mycorrhizas, *Calypso bulbosa* 9019
***Phialophora cinerescens,*** carnations 5953
***Phialophora malorum,*** pears 6500
***Philadelphus coronarius***
cuttings, treatment 6069
flowers, fragrance, biochemistry 5074
***Philadelphus lewisii,*** tissue culture, propagation, meristems 3616
***Philadelphus virginalis,*** cultivars, characteristics, Canada 490
**Philippines**
apples, cultivars 748
temperate fruits, cultural methods 748-749
tomatoes, cultivars 5873
***Philodendron***
leaves, morphology 427
plant, morphology 2968
roots, anatomy 1024
***Philodendron scandens***
cultural methods
interior decoration 4388
pot plants 3589, 8996, 9005
cuttings, production, techniques 6383
insecticides, tolerance 7892
nutrition, iron 4391
plant, development, temperature 2970
protected cultivation, energy conservation 4633
***Philodendron selloum,*** pollination, physiology 5949
***Phlebodium,*** spores, germination 3587
***Phleum pratense***
as cover crops
grapes 2764
raspberries 3304
***Phleum pratense* subsp. *bertolonii,*** as cover crops, grapes 2764
***Phlox drummondii***
cultivars, genetics 6015
seedlings, development, competition 6016
***Phoenix*** (*see also* Dates)
***Phoenix canariensis***
diseases
*Botrytis cinerea* 7897
*Ceratocystis paradoxa* 7897
***Phoma asparagi, Asparagus*** 4274
***Phoma complanata,*** parsnips 1550
***Phoma exigua,*** tamarillos 8227
***Phoma flaccida,*** grapes 840
***Phoma medicaginis,*** peas 4247
***Phoma putaminum, Callistephus chinensis*** 6007
***Phomopsis***
*Citrus* 9259
grapes 8640
***Phomopsis castaneae,*** chestnuts 5487
***Phomopsis obscurans,*** strawberries 2037, 6530
***Phomopsis perseae,*** avocados 2476
***Phomopsis sclerotioides,*** cucumbers 8753
***Phomopsis theae,*** tea 4598
***Phomopsis viticola,*** grapes 162, 1387, 1392, 5599, 6566
***Phoradendron tomentosum,*** as weeds, woody plants 1033
***Phoradendron undulatum,*** as weeds, guavas 6307
***Phormium,*** frost, resistance, assessment 9027
***Phormium cookianum,*** roots, composition 1159
***Phormium tenax,*** roots, composition 1159
***Phorodon humuli,*** hops 522, 1079, 6147
**Phosphates**
metabolism
age, *Capsicum* 299
germination, *Euphorbia lathyris* 1783
**Phosphorus**
absorption
bananas 9310
*Capsicum* 306, 3480
cocoa 9323
dates 660, 9278
grapes 1380, 4083, 5584, 7414
kiwifruits 2021
melons 8748
onions 5640
passion fruits 674
peas 274, 942, 5800
*Phaseolus vulgaris* 268, 911
plants 5399
roses 7934
strawberries 145, 2736, 8618
tomatoes 1534-1535, 2923
vegetables 2082
composition
apples 3977
*Asparagus* 3468
*Baccaurea sapida* 4604
bananas 682
Brussels sprouts 4148
*Bupleurum falcatum* 2353
*Capparis decidua* 1821
cauliflowers 5686, 6624
chicory 6612
coffee 7076
*Flacourtia jangomas* 4604
fruit crops 5414
guavas 5309
*Macadamia* 9283
melons 6650
peaches 8546
peas 8813
*Phaseolus vulgaris* 5748
plums 8572
sugarcane 1858
tea 721
*Terfezia claveryi* 5939
*Tirmania* 5939
**Phosphorus** *cont.*
composition *cont.*
tomatoes 4331
vegetables 2086
watermelons 6650
deficiency
apples 8478
avocados 5252
cashews 3871
coffee 3878
*Cucurbita maxima* 3398
grapes 158
*Hydrangea* 6845
lettuces 218-219
melons 5728
*Phaseolus vulgaris* 5745, 6675
*Piper nigrum* 3659
spinach 2805
tomatoes 2908, 4963, 8885, 8896
vegetables 5625
determination, greenhouse crops 328
fertilizers
assessment
apples 8481
bananas 6288
cocoa 7067, 9322
*Cucurbita maxima* 2846
nectarines 7368
oranges 650
peaches 7368
peas 4246, 4918
*Phaseolus vulgaris* 4219-4220
pistachios 7368
strawberries 7368
tomatoes 332
metabolism
biochemistry
peas 7693
spinach 1430
bolting, *Bupleurum falcatum* 3730
boron
*Pyrus pyrifolia* 5510
tomatoes 5903
calcium
pawpaws 1842
peaches 798
*Phaseolus vulgaris* 4219-4220
tomatoes 4316
carbon dioxide
celery 7809
tomatoes 5905
chromium, *Datura stramonium* 5185
cultivars
grapes 7412
okras 285
tomatoes 7769
disorders
peaches 2677
tomatoes 336
diurnal variation, tomatoes 5916
drought, okras 285
flooding
*Citrus* 4539
pecans 7319
fruiting
*Litchi* 8212
loquats 7039
growth, tomatoes 2913
growth regulators
apples 7233
apricots 8521
cherries 4722
mangoes 9359
*Pelargonium zonale* 8960
tomatoes 2921
irregular bearing, mandarins 1203
irrigation, tomatoes 7757
magnesium, oil palms 9366
manganese, tomatoes 5903
mechanically induced stress, tomatoes 2921
molybdenum, *Brassica juncea* 7952
mulching
*Telfairia occidentalis* 7597
tomatoes 2168, 6727
mycorrhizas
bananas 6288
coffee 7071
*Parthenium argentatum* 5246
peas 4243

**Phosphorus** *cont.*
metabolism *cont.*
mycorrhizas *cont.*
*Phaseolus vulgaris* 7628-7629
nitrogen
apples 61, 8479
bananas 6288
celery 7809
cucumbers 8752
okras 5843
peaches 798
tea 8355
tomatoes 2913
vegetables 861
nutrition
pistachios 7368
*Schefflera* 2967
photosynthesis
*Kalanchoe* 1619
spinach 1426
physiology
broccoli 237
oranges 1802
*Phaseolus vulgaris* 4231
pineapples 707
pollution, *Phaseolus vulgaris* 909
potassium, blackberries 128
ripening
boysenberries 131
pears 811
rootstock scion relationships
apples 5438
pears 4745
salinity
coconuts 9337
grapes 6562
*Parthenium argentatum* 5246
tomatoes 3496
seasonal variation
apples 8476
grapes 6558
guavas 5308
kiwifruits 5529
mangoes 8287
*Menyanthes trifoliata* 6206
olives 9294
peaches 6491, 8545
pears 107
peas 5800
tea 4599
soil, lettuces 7520
soil temperature
cabbages 2167
tomatoes 2167
storage, apples 4710
sulphur
*Brassica juncea* 7952
broccoli 5857
*Capsicum* 5857
sugarcane 716
temperature
cucumbers 4189
*Cucurbita ficifolia* 4189
tomatoes 2166, 7769
tissue culture, pome fruits 1345
titanium, tomatoes 6734
zinc, tomatoes 3497
nutrition
*Adiantum raddianum* 5055
almonds 4666
*Anethum graveolens* 2294-2295, 2297-2298
*Aphelandra squarrosa* 7937
apples 62, 65, 1945, 1952, 4684, 5459, 6464, 7236
apricots 1970
*Armoracia rusticana* 502, 5102
*Asparagus* 7703
aubergines 2157, 6703, 6713
avocados 5254
bananas 4567, 8234
*Basella alba* 7814
*Begonia* 406
*Begonia tuberhybrida* 4368
*Brassica juncea* 7952
*Brassica oleracea* 2796
broccoli 7547
cabbages 4879, 7546, 8722
*Calendula officinalis* 6925

**Phosphorus** *cont.*
nutrition *cont.*
*Capsicum* 304, 3481, 3483, 4288, 5855-5856, 6703, 6707-6708, 7719-7720, 8858
carnations 5954
carrots 2176, 2931, 3509, 6579
cashews 4571-4572
*Catharanthus roseus* 3061
celery 977, 2177, 7809
*Chamomilla recutita* 512
cherries 4722
chrysanthemums 2941, 7838
*Citrus limettioides* 1202
*Citrus volkameriana* 649
cocoa 5300, 8255, 9321
coconuts 3172, 3876
coffee 7071-7072, 8264
conifers 463
container grown plants 460
cucumbers 4895
*Cucurbita maxima* 3398
*Cucurbita pepo* 5725
*Cuminum cyminum* 3006
*Curcuma longa* 6864
*Cyamopsis tetragonoloba* 2136
*Cymbopogon* 2308
*Daphne cneorum* 1050
*Daphne mezereum* 1050
*Dieffenbachia maculata* 1027
*Eremochloa ophiuroides* 8990
essential oil plants 2331
*Euonymus japonicus* 1041
*Eustoma grandiflorum* 6011
*Ficus lyrata* 4397-4398
foliage plants 5051-5052, 8996
*Freesia refracta* 6805
*Gerbera* 5010-5012, 7841
*Gladiolus* 5033-5034
grapes 850, 1385, 2069-2071, 2770, 3336-3337, 5594, 5596, 6542, 6559, 7386, 7413, 7416, 7420
hazelnuts 7291
*Hevea* 710, 1227, 8316
*Hibiscus rosa-sinensis* 1651
*Hippophae rhamnoides* 2046
hops 3695, 6888
lawns and turf 424, 1022, 6044
leeks 7546, 7720
lemons 2518
lettuces 218-219, 5665-5666
limes 649
*Limonium* 4361
*Macadamia* 7040
*Malva glabra* 8080
mandarins 3833, 8176
mangoes 5314, 5316, 8288
medicinal plants 2331
melons 2120, 4185, 5725, 7600
*Nephrolepis exaltata* 6054
*Ocimum basilicum* 2298
*Ocimum kilimandscharicum* 2315
oil palms 3179
okras 288, 5843, 8842
olives 9295
onions 192, 2796, 4112, 4834, 8685
oranges 649, 651
*Papaver* 3787
*Papaver nudicaule* 5023
*Parthenium argentatum* 5246
peaches 7303
pears 106, 4012
peas 4245, 4917, 5798, 7668, 8812
pecans 7319
*Peperomia obtusifolia* 3600
*Phaseolus vulgaris* 262, 913, 1487, 2859, 3412, 4207-4208, 4212-4213, 4216-4217, 5897, 6673, 7628, 7631-7632
pineapples 3182
*Piper nigrum* 3009
*Polianthes tuberosa* 2237, 2959
*Psophocarpus tetragonolobus* 4271
radishes 5699, 6639, 7569
raspberries 7350
red currants 7343
*Rhododendron* 1041, 5077-5078
*Rhododendron japonicum* 472
*Rosa damascena* 2318
*Rosa multiflora* 4423
*Rubus glaucus* 1366

**Phosphorus** *cont.*
nutrition *cont.*
*Salvia officinalis* 6881
satsumas 1197, 3145
*Schefflera* 4401
*Simmondsia chinensis* 8135, 8145, 9232, 9234
*Sinapis alba* 6579
strawberries 830, 2734, 3313, 4061, 4771, 7355, 8619
sugarcane 3190, 5338, 6341, 8331, 9386, 9391
*Syngonium podophyllum* 498, 1030
*Syzygium aromaticum* 6130
tea 3911, 4599, 8353, 8356
tomatoes 318, 1529, 2156, 2909, 4961, 4964, 5880, 5895, 5897, 5917-5918, 6729, 7761, 7768, 8892, 8895
tung 2544, 6278
*Vaccinium* 4048
*Vaccinium angustifolium* 137
*Vaccinium ashei* 5549
*Vaccinium macrocarpon* 4049
*Valeriana officinalis* 5240
vegetables 5626, 7454
*Vicia faba* 1494, 2866, 3426, 4234-4235
watermelons 7601
*Zingiber officinale* 3665, 9066
*Ziziphus mauritiana* 5353
requirements
analysis
apples 5458
avocados 642, 5252
*Capsicum* 301-302
carnations 5003
coffee 6281
*Elettaria cardamomum* 7956
*Gerbera* 7842
grapes 2769, 6557, 8638
guavas 7077, 9346
*Hevea* 6281
limes 9254
loquats 7038
*Macadamia* 7040
mangoes 7078, 8290
melons 4893
okras 3470
onions 5641
oranges 1198, 8180
peaches 4007
pears 4746, 5458
peas 273, 7669
*Phaseolus vulgaris* 4218
plums 5522
raspberries 2027
roses 1045
satsumas 5270
*Sechium edule* 3397
tea 6281
*Tilia platyphyllos* 3652
tomatoes 2907, 3498, 4962, 4965, 5894
*Vaccinium corymbosum* 5548
vegetables 4826
*Vicia faba* 7669
responses, peas 8807
toxicity
peas 8814
tomatoes 2908
translocation, apples 5470
***Phosphorus virescens, Cola nitida*** 2554
***Photinia fraseri***
planting stock, production, containers 460, 2268
surfactants, responses 6114
**Photography**
techniques
recording
planting stock 7148
shade, woody plants 461
surveys, vegetables 8388
**Photoperiodism**
*Acer rubrum* 4427
*Allium* 5646
*Allium tuberosum* 5646
*Alstroemeria* 7877
*Anemone coronaria* 404
apples 3967-3968
*Begonia* 1014

**Photoperiodism** *cont.*
*Begonia cheimantha* 8971
*Begonia hiemalis* 8969
*Brassica carinata* 1678
*Campanula carpatica* 6008
*Campanula poscharskyana* 6009
*Capsicum* 7727
carnations 5973, 5979-5982
Chinese cabbages 3385
chrysanthemums 1575, 1577, 7837
*Clematis* 481
*Clerodendrum thomsoniae* 482
cucumbers 1480, 6645
*Dahlia* 3535
*Gaillardia grandiflora* 7851
garlic 5631
globe artichokes 208
grapes 1399, 2776, 4806, 5608
*Gypsophila paniculata* 6012
*Hydrangea* 7923
*Impatiens balsamina* 400, 3558
*Kalanchoe blossfeldiana* 7902
*Lagenaria siceraria* 4193
lettuces 216, 2104
*Lilium* 8982
*Luffa aegyptiaca* 4193
*Meconopsis betonicifolia* 401
medicinal plants 9099
*Nephrolepis exaltata* 6054
onions 196, 199, 3363
ornamental plants 6784
peas 4925
*Pentas lanceolata* 6014
*Perilla frutescens* 1678, 3686
*Pharbitis nil* 386, 997
*Phaseolus vulgaris* 917
*Platycodon grandiflorus* 5024
poinsettias 6847
*Rhipsalidopsis gaertneri* 2258
roses 9042
*Senecio articulatus* 443
*Silene coeli-rosa* 1589
*Solidago virgaurea* 6228
spinach 38, 3367, 4129, 4861
strawberries 2041, 4062
*Streptocarpus nobilis* 2219
tomatoes 2902, 6746, 6751, 6753
*Vicia faba* 5778

**Photosynthates**
metabolism
photoperiodism, cucumbers 1480
physiology
avocados 1788
cherries 91
*Hibiscus rosa-sinensis* 7946
*Phaseolus vulgaris* 5762
tomatoes 348, 6719
salinity, *Capsicum* 7723
translocation
apples 766
*Capsicum* 4941
celery 3512
cocoa 3170
*Coleus blumei* 7898
*Gomphrena globosa* 1009
lawns and turf 419, 1614
onions 3363
peas 7658, 7684
pecans 814
*Phaseolus vulgaris* 2860, 3413, 7622
strawberries 2043
*Vicia faba* 2867, 6684

**Photosynthesis**
age
peas 936
*Phaseolus vulgaris* 5762
aluminium, *Phaseolus vulgaris* 266
antioxidants, *Vicia faba* 926
arsenic, peas 4927
aspect, grapes 845
biochemistry
apples 3260
*Coriandrum sativum* 2300
*Kalanchoe daigremontiana* 2974
lettuces 220, 4144, 4260, 5674, 6617, 8714
ornamental plants 3538
peas 941, 2875, 3434, 3439-3442, 3445, 3447-3451, 3453-3455, 4255-4256, 4258-4260, 4263-4266, 4920-4924, 5654, 5807, 5809-5819, 5821-5823, 6601, 8706, 8818-8820, 8822-8823
*Petunia* 2211
*Phaseolus vulgaris* 3419, 4225, 4227, 5761, 8779
*Phytolacca americana* 6597
spinach 204, 1428-1430, 2100, 3365-3366, 3441-3442, 3445, 4121-4123, 4126-4127, 4255, 4259, 4844-4845, 4847, 4849-4857, 5651-5653, 5655-5659, 6595, 6597-6599, 6601-6602, 7498, 8698, 8701, 8703, 8706
spinach beets 6606
succulent plants 7896
*Vicia faba* 2134, 4916, 5774, 7649-7650
blue light, spinach 6603
boron, broccoli 5688
cadmium, radishes 243
CAM pathway
*Agave* 2248
*Agave deserti* 1026
*Cereus validus* 4393
*Drosanthemum hispidum* 6052
*Kalanchoe* 1619
*Kalanchoe daigremontiana* 1620, 2974, 7904
*Kalanchoe tubiflora* 2256
*Mesembryanthemum crystallinum* 5061
*Portulacaria afra* 1622
*Senecio kleinia* 2259
succulent plants 6828, 7896
carbon dioxide
*Capsicum* 4941
carnations 3541
cucumbers 3929, 7609
greenhouse crops 5390
*Kalanchoe pinnata* 3596
oranges 3143
tomatoes 338, 7751
*Vicia faba* 2135, 7648
climate, olives 4560
copper, spinach 7498
cultivars
apples 2617
grapes 4089-4090
lemons 6258
strawberries 5553
tea 3198, 8359
cultural methods, grapes 8634
defoliation
grapes 6553
*Vicia faba* 2867
diurnal variation
cherries 2661
peas 4925
tomatoes 5916
drought
*Cereus validus* 4393
*Parthenium argentatum* 1786
electricity, spinach 8702, 8704
environment, tomatoes 5916
flooding
*Capsicum* 7726
*Citrus* 4539
pecans 7320
fruiting
cherries 2661
pecans 6504
growth regulators
grapes 166
horticultural crops 8417
lawns and turf 6824
peas 1509
*Phaseolus vulgaris* 915, 4226, 4908
rough lemons 3832
strawberries 4784
tomatoes 3503
herbicides
strawberries 8616
tomatoes 5884
humidity, cocoa 1827
hydrogen sulphide, spinach 2803
inhibitors
apples 7262
peas 3442-3444, 4262
*Phaseolus vulgaris* 915, 4226, 7622
spinach 3442-3443, 4850, 5248, 6600
*Vicia faba* 5774
iron, peas 935
irrigation
*Agave lechuguilla* 1682
lemons 5278
lead, peas 4240
light
*Acer palmatum* 1641
*Agave lechuguilla* 1682
*Arbutus unedo* 1049
chrysanthemums 5007
cocoa 9326-9327
*Codiaeum variegatum* 6051
cucumbers 1480, 3929, 5825, 5827, 7609
foliage plants 430
greenhouse crops 5390
*Hedera helix* 9036
*Kalanchoe pinnata* 3596
kiwifruits 5534-5535
ornamental plants 1585
peas 938-940, 3435, 3446, 3449, 4256, 4258, 4926-4927, 5812, 5825, 5827
*Phaseolus vulgaris* 916, 3419
plants 3226
radishes 1458, 7567
spinach 940, 1049, 1427-1429, 3365, 4846, 4848, 6603, 8700
tomatoes 338, 7751
tropical crops 2600
*Vicia faba* 2135, 5774, 7649-7650
measurement
*Hevea* 8320
lawns and turf 426
nutrition
apples 66
lawns and turf 6824
*Phaseolus vulgaris* 916
spinach 203, 4846-4847
tomatoes 5916
oxygen
*Capsicum* 4941
*Vicia faba* 2135
pests, grapes 1396
phenolic compounds, *Phaseolus vulgaris* 4908
phosphorus, spinach 1426, 1430, 2805
photoperiodism
peas 4925
spinach 3367
physiology
apples 3260
*Brassica chinensis* 8672
cherries 2662
cocoa 8257
cucumbers 3929
lawns and turf 419
peas 1502, 2300, 3436-3437, 3444, 8821
*Petunia* 8962
*Phaseolus vulgaris* 3418, 5762, 8672
plants 3226
spinach 3436, 8672
tomatoes 339, 6719
pollution
radishes 7568
spinach 5649
potassium, *Phaseolus vulgaris* 3417
pruning, grapes 2062
research
*Agave* 2320
peas 3438, 4261, 5820, 5824, 8817
radishes 1459
spinach 1427, 4124, 5824, 6596, 7499, 8699
salinity
*Citrus* 4539
oranges 1803, 7028
tomatoes 334
seasonal variation
*Agave lechuguilla* 1682
lemons 5278

**Photosynthesis** *cont.*
senescence, *Parthenocissus tricuspidata* 1657
soil compaction, *Phaseolus vulgaris* 7627
spacing
apples 757
watermelons 6658
sulphur compounds, spinach 6594
sulphur dioxide, *Vicia faba* 3425
surfactants, horticultural crops 6114
temperature
*Agave lechuguilla* 1682
avocados 1190
cucumbers 248, 2849, 5825-5827, 7609
greenhouse crops 5390
kiwifruits 5534-5535
lawns and turf 6824
olives 4560
peas 4262, 5825-5827, 7679
*Phaseolus vulgaris* 5764
radishes 7567
spinach 2806
succulent plants 6828
tea 1873
*Vaccinium* 4052
*Valerianella locusta* 982
tissue culture
carnations 3541
carrots 359
cauliflowers 3378
*Euphorbia characias* 1189
roses 2276
training, apples 766
water relations
cocoa 9326, 9328
coffee 7075
*Digitalis lanata* 3751
*Drosanthemum hispidum* 6052
*Kalanchoe daigremontiana* 1620
olives 8218
peaches 4009
pecans 6506
*Phaseolus vulgaris* 3417, 6677, 8778
*Portulacaria afra* 1622
**Phototropism**
radishes 1461
*Sinapis alba* 7962
***Phragmidium violaceum***
blackberries 4034
*Rubus* 1360
***Phragmipedium caudatum,*** flowers, morphology 6062
***Phragmipedium longifolium,*** leaves, cytology 4407
**Phthalates,** toxicity, radishes 2836
**Phthalides**
composition
*Gentiana pedicellata* 583
Umbelliferae 3514
***Phthorimaea operculella,*** tomatoes 5913
***Phycita melongenae,*** aubergines 7733
***Phyllagathis cordata,*** plant, composition 5156
***Phyllanthus anisolobus,*** plant, composition 2337
***Phyllanthus emblica***
cultivars, processing 9412
roots
anatomy 8096
histology 8096
***Phyllanthus fraternus,*** plant, composition 6217
***Phyllanthus niruri,*** plant, composition 9189-9190
***Phyllanthus sellowianus,*** plant, composition 8097
***Phyllanthus urinaria,*** plant, composition 1697
***Phyllaphis fagi, Fagus sylvatica*** 1648
***Phyllocnistis citrella,*** rough lemons 5277
***Phyllocoptruta oleivora***
*Citrus* 9261
oranges 5274
***Phyllonorycter blancardella***
apples 3966, 7251-7252
fruit crops 6420
***Phyllonorycter corylifoliella,*** fruit crops 6420
***Phyllostachys dulcis,*** shoots, composition 184
***Phyllostachys fimbriligula,*** cultural methods, China 6763
***Phyllostachys makinoi,*** production, Taiwan 6762
***Phyllostachys pubescens***
production, Taiwan 6762
rhizomes, morphology 6761
***Phyllosticta***
*Peperomia obtusifolia* 9007
*Ruscus* 7897
***Phyllosticta pirina,*** apples 1952
***Physalis alkekengi,*** plant, composition 1759
***Physalis angulata,*** leaves, composition 3790
***Physalis ixocarpa,*** plant, development, assessment 6755
***Physalis peruviana,*** reports, Berlin 2585
***Physocarpus malvaceus,*** cuttings 3649
***Physochlaina physaloides,*** roots, composition 6972
***Physostegia virginiana***
cut flowers, production, cultural methods 1004
diseases, mycoplasmas 4362
**Phytin,** composition, *Washingtonia filifera* 6119
**Phytoalexins**
biosynthesis, sweet peas 4360
characterization, carnations 4352
metabolism
physiology, *Phaseolus vulgaris* 4231
tissue culture, aubergines 3486
**Phytochelatins,** biosynthesis, tomatoes 2922
**Phytochrome**
physiology
*Adiantum capillus-veneris* 5054
*Kalanchoe blossfeldiana* 2973
*Paulownia tomentosa* 3647
*Phaseolus vulgaris* 917, 2854
*Sinapis alba* 504, 1062
watermelons 1479, 7586
***Phytolacca acinosa,*** plant, composition 3100
***Phytolacca americana***
fruits, composition 6148
photosynthesis, biochemistry 6597
roots, composition 1160
tissue culture, metabolites, production 2413-2414
***Phytolacca dodecandra,*** fruits, composition 528
***Phytolacca thirsiflora,*** plant extracts, application, *Phaseolus vulgaris* 7996
***Phytomonas,*** coconuts 691
***Phytophthora***
*Asparagus* 1892
avocados 2478, 2486
*Cola nitida* 2554
ornamental plants 5948
roses 475
spinach 5648
***Phytophthora cactorum***
apples 4674, 7243
kiwifruits 6511
strawberries 2037, 4056, 5566, 7359
***Phytophthora cambivora,*** chestnuts 5487
***Phytophthora capsici***
*Capsicum* 1521, 5847, 7717, 8859
cocoa 8244
***Phytophthora cinnamomi***
avocados 2468, 2479-2483, 7012, 8163
*Camellia* 1632
pineapples 1847
*Rhododendron* 6090-6091
*Vaccinium* 1892
*Vaccinium ashei* 6521
*Vaccinium corymbosum* 6521
***Phytophthora citricola***
avocados 2475
*Rhododendron* 6092
***Phytophthora cryptogea,*** raspberries 8604
***Phytophthora erythroseptica,*** raspberries 7347
***Phytophthora fragariae,*** strawberries 140, 1372, 2037, 4056, 4781, 7359
***Phytophthora infestans,*** tomatoes 317, 3487, 5875, 6397, 6739, 6741, 9093
***Phytophthora megasperma* var. *sojae,***
*Asparagus* 283, 948
***Phytophthora nicotianae* var. *nicotianae,***
*Elettaria cardamomum* 1668
***Phytophthora nicotianae* var. *parasitica***
kiwifruits 6511
pineapples 1847
tomatoes 6397, 8874
***Phytophthora palmivora***
cocoa 4575
durians 4575
*Hevea* 1850, 8383
*Piper nigrum* 9060
**Phytoseiidae,** apples 8495
***Phytoseiulus persimilis***
control
of pests, greenhouse crops 179
of Tetranychidae, vegetables 181
of *Tetranychus urticae*
cucumbers 7605
*Gerbera* 6779
ornamental plants 8956
***Picea***
pruning, systems, assessment 2269
reports, German Federal Republic 3216
***Picea abies,*** landscaping, USSR 6081-6082
***Picea glauca***
cuttings, storage 464
landscaping, USSR 4408
***Picea montigena,*** landscaping, USSR 6081
***Picea pungens,*** landscaping, USSR 6081
***Picrasma javanica,*** plant, composition 3101
***Picrasma quassioides***
plant, composition 1760
roots, composition 2324, 2415
tissue culture, metabolites, production 6973
***Picrorhiza kurroa***
roots, composition 1704
tissue culture, propagation, micropropagation 6974
***Pieris brassicae***
cabbages 8726
cauliflowers 4161
***Pieris floribunda,*** tissue culture, propagation, meristems 3616
***Pieris rapae***
*Brassica* 7553
cabbages 4879, 8726
Cruciferae 7552
**Pigments** (*see also* Chlorophyll)
biochemistry
*Amaranthus tricolor* 361
*Camellia chrysantha* 9035
*Gardenia jasminoides* 1672
*Genipa americana* 1672
*Opuntia ficus-indica* 3864
characterization
*Cassine balae* 3752
*Onosma heterophylla* 1155
*Rhoeo spathacea* 1615
*Salvia miltiorrhiza* 2428
tomatoes 2173
*Zebrina pendula* 1615
composition
*Butea monosperma* 6922
*Centaurea cyanus* 5020
chrysanthemums 5987
*Curcuma longa* 1666
*Dendrobium* 455
grapes 4096
ornamental plants 5950
*Pistacia lentiscus* 2455
roses 2997
Rubiaceae 2304
spinach 4124
*Tagetes* 2456
*Vaccinium uliginosum* 3310
extraction
plants 8431
*Tagetes* 2456
metabolism
aspect, grapes 845
biochemistry, *Petunia* 1581
copper, spinach 7498
growth regulators
*Indigofera articulata* 6136
peas 1510
small fruits 7335
iron, peas 935

**Pigments** *cont.*
metabolism *cont.*
light, ornamental plants 1585
magnesium, *Vicia faba* 925
physiology, grapes 7436
ripening, pears 5513
soil water, *Capsicum* 3483
temperature, tea 1873
tissue culture, *Chenopodium rubrum* 4448
titanium, tomatoes 7770
trace elements, hops 3696
training, apples 766
production, tissue culture, *Crocus sativus* 1665
***Pilea cadierei***
cultural methods, pot plants 5062, 6048-6049
growing media, composition 6048
protected cultivation, temperature 2247
***Pilea involucrata,*** growing media, composition 2252
***Pileolaria terebinthi,*** *Pistacia* 4751
***Piliostigma thonningii,*** plant, composition 1086
***Pilularia globulifera,*** tissue culture, propagation, responses 3591
***Pimenta dioica,*** plant, composition 7970
***Pimpinella anisum***
cultural methods, Romania 3030
harvesting, harvesting date, assessment 7966
irrigation, responses 7966
plant, composition 3032, 6164
seeds
composition 3039, 9057
sowing, sowing date 7966
tissue culture, metabolites, production 4461, 9079
**Pine voles,** apples 70, 762
**Pineapples**
characteristics 6320
climate, requirements 6320
cultivars
diseases 6321
identification 6322
soil pH 6323
cuttings, rooting, biochemistry 2560
diseases
*Gibberella fujikuroi* var. *subglutinans* 7094
*Phytophthora cinnamomi* 1847
*Phytophthora nicotianae* var. *parasitica* 1847
flowers
initiation
biochemistry 2562
growth regulators 706, 2562, 6324
nutrition 2562
fruits, development, biochemistry 707
fungicides
application 1847
residues 7094
harvesting
harvesting date, assessment 2563
seasons 6325
intercropping
*Areca* 3875
*Capsicum* 704
coconuts 3875
irrigation
frequency 705, 7092
requirements, determination 1846
marketing, Europe 7138
nematicides, responses 8308
nutrients
requirements
analysis 8418
assessment 6280
nutrition
copper 5330
nitrogen 705, 3182, 7092
phosphorus 3182
potassium 3182, 7092
pests
*Diaspis bromeliae* 7093
*Dysmicoccus brevipes* 7093
*Pratylenchus brachyurus* 8308
*Pseudococcus longispinus* 7093
photosynthesis, CAM pathway 7896
**Pineapples** *cont.*
plant, composition 5331
planting
spacing 1845
systems 9376
production, Australia 7139
propagation, techniques 7091
protected cultivation, cultural methods 706
reports, Colombia 3213
research, France 1890
shoots, development, histology 2561
soil pH, responses 6323
storage
disorders 708
physiology 2502
suckers, rooting, biochemistry 2560
tissue culture
propagation
techniques 3922, 6322
reviews 2559
techniques 2545
weed control 1845
yields, diseases 6325
***Pinellia ternata,*** tubers, composition 1761
***Pinus***
cuttings, sources, etiolation 1032
reports, German Federal Republic 3216
***Pinus elliottii,*** planting stock, production, containers 2266
***Pinus nigra,*** landscaping, USSR 6081
***Pinus sylvestris***
landscaping, USSR 4408, 6081-6082
plant, composition 1269
***Piper***
intercropping, *Areca* 3875
plant, composition, reviews 503
reports, India 7134
***Piper betle***
diseases
*Gibberella fujikuroi* 1763
*Glomerella cingulata* 1762
*Sclerotium rolfsii* 1764
pests, *Meloidogyne incognita* 4512
***Piper longum***
fruits, composition 5151
roots, composition 6975
***Piper marginatum,*** plant, composition 9191
***Piper nigrum***
cultivars, soil pH 6127
cultural methods, agroforestry 2546
cuttings, treatment 6125
diseases, *Phytophthora palmivora* 9060
fruits, composition 3660
intercropping, *Areca* 7055
nutrition 3009, 3659
pests
*Longitarsus nigripennis* 3010
*Radopholus similis* 9059
plant, composition 5140, 6865, 9092
planting stock, size 6126
replanting, cultivars 9058
roots, exudates 7055
seeds, composition 5146
soil amendments 6127
storage, biochemistry 4445
yields, forecasting 3658
***Piper ribesoides,*** plant, composition 6976
***Piper sarmentosum,*** fruits, composition 1161
**Pistachios**
cultivars, salinity 7323
cuttings, sources, etiolation 1256
diseases, *Pileolaria terebinthi* 4751
flowers, abscission, physiology 2009
irregular bearing, physiology 2009
nutrition
nitrogen 7368
phosphorus 7368
potassium 7368
nuts, composition 8570
plant, development, assessment 1353
pollination, techniques 8569
reports
Berlin 2585
Cyprus 731
salinity, tolerance 7323
***Pistacia*** (*see also* Pistachios)
***Pistacia atlantica,*** diseases, *Pileolaria terebinthi* 4751
***Pistacia lentiscus,*** reviews 2455
***Pistacia terebinthus,*** diseases, *Pileolaria terebinthi* 4751
***Pisum*** (*see also* Peas)
***Pithecellobium dulce***
cultural methods, Djibouti 8160
seedlings, development, morphology 501
***Pithecelobium saman*** (*see Samanea saman*)
***Pittosporum phillyraeoides,*** leaves, composition 3791
***Pittosporum tenuifolium,*** frost, resistance, assessment 9027
***Pittosporum tobira***
mycorrhizas 1658
nutrition, nitrogen 1658
planting stock, production, containers 460, 2268
water relations, temperature 2280
***Planococcus citri***
*Citrus* 1798
grapes 6568
oranges 1797
**Plant**
biochemistry
calcium, reviews 2604
gamma radiation, *Phaseolus vulgaris* 923, 8782
genetics, *Petunia* 2212
growth regulators
apples 1943, 3254
*Capsicum* 2150
*Cucurbita pepo* 7613
lemons 4543
peas 2878, 3458
*Rauvolfia serpentina* 4518
light
peas 937, 2142
spinach 204, 2099
nematicides, tomatoes 3505
sex, *Asparagus* 3465
sugars
cucumbers 7697
peas 7697
water relations, tea 1239
development
age, bananas 6286
altitude, tea 719
apical dominance
grapes 856
pears 7313
peas 277, 3457, 4928, 4930
*Pharbitis nil* 996
*Phaseolus vulgaris* 2131
reviews 1903
roses 6098
tomatoes 2169
*Vicia faba* 2133
assessment
apples 763
avocados 2487
carrots 975
chrysanthemums 5991
*Hippophae rhamnoides* 3321
*Lonicera fragrantissima* 4436
*Lycoris radiata* 5044
*Nepeta meyeri* 6210
peaches 6492
peas 7675
*Perilla frutescens* 3686
*Physalis ixocarpa* 6755
pistachios 1353
*Rhus typhina* 2290
tomatoes 4962
vegetables 8388
*Vicia faba* 6685
bacteria
lettuces 4871
vegetables 4824
biochemistry
*Capsicum* 2888
cucumbers 897
bromine, carnations 5976
carbon dioxide
chrysanthemums 1570
*Phaseolus vulgaris* 5760
climate, peas 945
cultivars, turnips 7533
environment, *Digitalis lanata* 572
epinasty, peas 3457

**Plant** *cont.*
development *cont.*
fasciation
*Cotinus coggygria* 4432
mangoes 9357
growth regulators
apples 3254
lawns and turf 1614
peas 3457
*Rauvolfia serpentina* 4518
rough lemons 3832
strawberries 2734
tomatoes 2921
histology, *Vitis riparia* 4066
juvenility, cauliflowers 2833
light
*Astilbe* 5018
*Capsicum* 2887
carnations 32
chrysanthemums 1574
*Codiaeum* 32
cucumbers 32
lawns and turf 4380
lettuces 1439
onions 5640
peas 2876
plants 2588
*Saintpaulia* 32
*Sinapis alba* 504
tomatoes 32, 3496, 6746
mathematical models
*Cucurbita maxima* 3398
*Cyamopsis tetragonoloba* 7653
greenhouse crops 6384
lettuces 7523
measurement
fruit crops 7194
vegetables 3920
woody plants 2981
mechanically induced stress, tomatoes 2921
morphology
*Calanthe vestita* 6834
*Papaver bracteatum* 3099
mycorrhizas, almonds × peaches 1994
organogenesis, *Impatiens balsamina* 3558
phenology
*Cucurbita maxima* 246
grapes 6539
*Hevea* 1229, 8309
temperate fruits 744, 771
*Vaccinium corymbosum* 3307
*Vaccinium myrtillus* 4051
walnuts 771
photoperiodism, chrysanthemums 1577
physiology
grapes 4814
*Kalanchoe laxiflora* 4399
kiwifruits 2021
peas 2876
*Vicia faba* 6684
provenance
*Gentiana lutea* 6952
*Simmondsia chinensis* 8151
salinity, tomatoes 3496
seasonal variation, chrysanthemums 1573
slopes, *Stevia rebaudiana* 4534
soil compaction, *Phaseolus vulgaris* 911-912
soil types, *Vaccinium corymbosum* 136
spacing, mandarins 1195
stresses, books 6370
tapping, *Hevea* 711
temperature
*Allium* 5646
*Allium tuberosum* 5646
*Anemone blanda* 2222
chrysanthemums 1564, 1570, 1574, 1576-1577
cucumbers 2119, 2837
*Cucurbita maxima* 246
*Eranthis hyemalis* 2222
foliage plants 2970
grapes 852
greenhouse crops 7162
*Hibiscus sabdariffa* 1784

**Plant** *cont.*
development *cont.*
temperature *cont.*
*Ixiolirion tataricum* 1609
lettuces 1439, 4142
*Litchi* 6264
passion fruits 674
*Phaseolus vulgaris* 1491
poinsettias 1635
*Saintpaulia* 2945
tomatoes 6746, 7784
X radiation, strawberries 2042
quality
growing media, *Begonia hiemalis* 7858
growth regulators, *Begonia hiemalis* 7859
light, *Begonia hiemalis* 7858
nutrition, lettuces 4139
sex
determination, pawpaws 8306
physiology, books 3909
thinning
responses
cocoa 6298
onions 3361
techniques, *Papaver somniferum* 601
**Plant residues**
utilization
building materials, grapes 7441
culture media, woody plants 2262
energy sources, greenhouse crops 34
fertilizers
coconuts 2552
coffee 693
greenhouse crops 34
growing media
grapes 9294
ornamental plants 7178
*Pleurotus* 5937
*Pleurotus ostreatus* 4993
*Pleurotus sajor-caju* 8938
pot plants 6048
strawberries 2735
mulches
Cruciferae 8728
sugarcane 6340
soil amendments, cabbages 7550
timber
fruit crops 2984
woody plants 2984
***Plantago,*** seeds, composition 2416
***Plantago lanceolata***
as weeds, lawns and turf 7886
utilization, lawns and turf 418
***Plantago major***
as weeds, fruit crops 5418
leaves, composition 1700
***Plantago ovata,*** seeds, composition 1162, 2416
**Plantain** (*see* Bananas)
**Planting**
equipment, sugarcane 1857
mechanical methods
horticultural crops 28
sugarcane 1857, 8328
tomatoes 6720
**Planting stock**
age, pawpaws 1225
establishment
cocoa 9319
*Jasminum volubile* 2988
*Murraya paniculata* 2988
identification, horticultural crops 7148
lifting
mandarins 5268
strawberries 7364, 8614
woody plants 4415
overwintering
cabbages 5680
*Juniperus squamata* 3617
roses 3633
*Weigela* 3617
woody plants 2282
reviews 9025
production
containers
*Betula* 7920
*Chamaecyparis lawsoniana* 463
cherries 88

**Planting stock** *cont.*
production *cont.*
containers *cont.*
*Citrus* 4538
coffee 693
*Euonymus japonicus* 1041
*Fraxinus excelsior* 7920
*Hevea* 1226
*Ixora coccinea* 3643
oil palms 9364
olives 9294
oranges 650
ornamental plants 2268
peaches 8547
*Pelargonium* 8959
*Radermachera sinica* 5063
*Rhododendron* 1041, 5077
strawberries 8613
temperate fruits 9026
*Thuja plicata* 463
tung 1820
woody plants 460, 479, 2265-2266, 5070, 6071, 6842, 7916, 8945, 9026
economics
container grown plants 27
ornamental plants 4999
soilless culture
apples 8474
grapes 2058
olives 9294
oranges 650
peaches 8547
woody plants 7919
techniques
apples 5434, 5441, 5444, 8474
*Asparagus* 7703
avocados 5256-5257
black currants 7341
*Camellia williamsii* 6080
carnations 2202
*Citrus* 1194
cocoa 9316
coffee 8267, 8271, 8273
conifers 370
*Forsythia spectabilis* 1051
grapes 2758-2759, 5577
*Hevea* 8311
*Mentha piperita* 9077
mulberries 3294
nectarines 8536
oil palms 8299, 9366
olives 9288, 9290
peaches 3277, 8536
*Pelargonium hortorum* 2943
plums 816
raspberries 1363
*Ribes* 4758
*Rosa* 1044, 1073
roses 3633-3634
*Simmondsia chinensis* 8149, 9231
strawberries 140, 1373, 3312, 3316, 4774, 5555, 5558, 6524, 7361, 7367, 8614
sugarcane 8327
*Syngonium podophyllum* 445
tea 1238, 3893, 7105
temperate fruits 1271
vegetables 5627
walnuts 3294
woody plants 1032, 1629, 2282-2283, 7936, 9030
tissue culture
bananas 4566
cauliflowers 3378, 3545
cherries 88
chrysanthemums 3545
Ericaceae 3623
*Freesia* 4372
*Gerbera* 3549, 5008
grapes 7388
*Nephrolepis exaltata* 3597
ornamental plants 4999
pears 2004
*Pelargonium zonale* 3550
*Pogostemon cablin* 3687
roses 2276, 4419
strawberries 2038, 3312
woody plants, reviews 5071
pruning, apples 1286, 1939

**Planting stock** *cont.*
quality
assessment, carnations 5956
feathers, apples 6424
nutrition, grapes 7413
selection, *Simmondsia chinensis* 9226
size
*Allium grayi* 4838
apples 1287
garlic 8675
*Gladiolus* 7861-7862
onions 4835
peaches 795
*Piper nigrum* 6126
*Zingiber officinale* 7963, 9066
storage
cabbages 6622
*Gerbera* 3549, 5008
grapes 3328, 6545, 7391
strawberries 2039, 5558, 7364, 8614
transport, tomatoes 2901
treatment
antitranspirants, *Parthenium argentatum* 7008
charcoal, strawberries 6528
cold, garlic 5631
fungicides
garlic 4106
grapes 6545
growth regulators
*Asparagus* 5837
*Quercus* 492
plastic film, grapes 5581
types
assessment
*Curcuma longa* 2301
*Hevea* 8311
*Mentha arvensis* 9072
weed control 7936
**Plants**
cytology 6757
dictionaries 4609
dormancy
nomenclature, reviews 1901
temperature 1902
geotropism, reviews 4655
growth regulators, polyamines, metabolism 1265
mycorrhizas, reviews 1262
pests, Nematoda, reviews 7183-7185
roots, histology 2603
sap, composition 3937
senescence, physiology 7192
soilless culture, systems, hydroponics 1259
tissue culture
metabolites
production
books 5359
reviews 8432
propagation
reviews 3222
techniques 7146
books 5365
***Plasmodiophora brassicae***
*Brassica* 7551
cabbages 4878
Chinese cabbages 4160, 5691-5692
turnips 8724
***Plasmopara cubensis,*** cucumbers 17
***Plasmopara viticola***
grapes 164, 840, 1387, 1394, 2053, 2056, 2772, 4071-4072, 5598, 6397, 8630, 8641-8642
reviews 1393
**Plastic fabric**
utilization
mulches
horticultural crops 4630
strawberries 4770
overwintering, oranges 3131
protected cultivation
cauliflowers 1446, 2108
endives 6614
lettuces 6614
vegetables 5622
**Plastic film**
utilization
control, diseases, lettuces 5673
cultural methods
grapes 5581
**Plastic film** *cont.*
utilization *cont.*
cultural methods *cont.*
horticultural crops 5389
sugarcane 5336
greenhouses 8402-8403, 8408
horticulture 4620
conferences 8381
mulches
apples 5450
aubergines 4294-4295
cabbages 1449
*Capsicum* 2151, 4310, 5860
celeriac 978
garlic 6584
globe artichokes 4131
grapes 5583, 5587
horticultural crops 6386, 6393, 8396, 8401
lawns and turf 3583
lettuces 7451
marrows 6647
melons 250, 4183, 7593
strawberries 2731, 4770, 5558, 5562
tea 1871
tomatoes 324-325, 330, 2168, 3494, 4310, 4955, 5881, 6385, 6727, 7737, 7757, 8878
vegetables 5623, 8728
watermelons 4181
overwintering
*Citrus* 6245
strawberries 5559
packing
apples 85
*Averrhoa carambola* 4602
grapefruits 3841
horticultural crops 8440-8441
tulips 1607
vegetables 8674
propagation, *Physocarpus malvaceus* 3649
protected cultivation 7168
aubergines 4295
cabbages 2828
carrots 8924
cauliflowers 1446, 2108
celeriac 978
Chinese cabbages 7544
cucumbers 4892, 5722, 8747
*Cucurbita pepo* 3395
endives 210, 6614
horticultural crops 4639, 6386, 6397, 6406, 8401
leeks 7468
lettuces 6614
*Lilium* 6811
melons 5716
peaches 4733, 5493, 8541
peas 5792
*Platycodon grandiflorus* 5024
radishes 6635
strawberries 2731, 5559, 5621
tomatoes 321, 4954-4955, 8878-8879
vegetables 5621-5622, 6400, 6578, 8728
watermelons 4891
woody plants 3617
storage
*Asparagus* 2881
*Brassica juncea* 4168
Chinese cabbages 1454
*Citrus* 1808
horticultural crops 6414, 8440
lemons 3840
lettuces 2821
*Litchi* 2531, 6265
melons 5744
oranges 7031
tomatoes 4328
vegetables 4167
tissue culture, onions 3223
**Plastic foam**
utilization
growing media
cucumbers 2118, 7599
*Cymbidium* 451
*Gerbera* 5993
**Plastic foam** *cont.*
utilization *cont.*
growing media *cont.*
pot plants 9002-9003
*Syngonium podophyllum* 6055
tomatoes 7752, 7760, 7762
vegetables 6728
woody plants 2982, 3615
mulches, tomatoes 325
overwintering, *Citrus* 6245
packing, grapes 6575
soilless culture
fruit crops 6527
greenhouse crops 4101
tomatoes 6730, 8886
**Plastic nets**
utilization
pests
control
*Petroselinum crispum* 4104
vegetables 4104
protected cultivation, peaches 6487
***Platanthera stricta,*** flowers, fragrance, biochemistry 1628
***Platanus acerifolia***
diseases, *Ceratocystis fimbriata* f.sp. *platani* 6115
landscaping, urban sites 6065
***Platanus occidentalis***
growth regulators, flurprimidol, responses 1047
growth retardation, growth regulators 6409
***Platycerium bifurcatum,*** tissue culture, propagation, techniques 2257
***Platycodon grandiflorus***
cut flowers, production, cultural methods 5024
tissue culture, protoplasts 3560
***Plectranthus,*** leaves, composition 9192
***Plectranthus coleoides,*** irrigation, water, composition 372
***Plectranthus inflexa,*** plant, composition 2417
***Plectranthus latifolius,*** leaves, composition 604
***Plectranthus macrocalyx,*** leaves, composition 605, 1163-1164
***Pleiospermium alatum,*** plant, composition 4513
***Pleospora allii,*** onions 5642
***Pleospora herbarum,*** carrots 5921
***Pleurothallis,*** surveys, Cuba 3602
***Pleurotus***
growing media, composition 3530, 4992
reports, German Federal Republic 3215
***Pleurotus citrinopileatus,*** cultural methods, India 7820
***Pleurotus flabellatus***
growing media, composition 5937
spawn, production 5937
***Pleurotus florida***
composition 2185, 2197
hybrids, characteristics, Hungary 363
***Pleurotus olearius,*** composition 4473
***Pleurotus ostreatus***
composition 2197, 4343
cultivars, characteristics, Bulgaria 8936
diseases, viruses 5935
growing media, composition 1558, 4993
mycelium, growth 3521
pests
*Lycoriella* 3531
*Sciophila* 3531
storage, biochemistry 7821
***Pleurotus ostreatus* × *Pleurotus florida,*** composition 2184
***Pleurotus sajor-caju***
anaerobiosis 8937
diseases, *Arthrobotrys pleuroti* 8938
fructification 6768, 8937
fungicides, responses 365
growing media, composition 5937-5938, 6769, 8938
mycelium, growth 3521
nutrition 365
pollution, heavy metals 5938
products, enzymes 8938
spawn, production 5937
weed control 1559

***Pleurotus sapidus***, composition 2185, 2197
**Plum pox virus**, plums 3288
***Plumeria alba***, plant, histology 2289
**Plums**
as rootstocks
apricots 7328
peaches 1990, 8538
budding
budwood, treatment 116
seasons 116, 7327
techniques 7327
cultivars
assessment
Romania 6507
USSR 2010, 2695, 2697, 7297
Yugoslavia 4017
biochemistry 8572
characteristics
Brazil 4018
Canada 4019
Hungary 2011
Italy 45
USSR 115, 741
diseases 2694, 3288, 4019, 5424, 5518
drought 815, 4016
flowering date 114
morphology 119
pests 4019, 5524
pollination 114, 1354, 2011, 3292, 7325
processing 115, 2696, 5519, 7325
propagation 2699, 8577
temperature 1310
tissue culture 7329
winter hardiness 1319, 2010, 2698, 7324
yields 7326
cultural methods, Netherlands 5517
cuttings
rooting, cultivars 2699
treatment 4020
types, summer cuttings 816, 2699
diseases
*Blumeriella jaapii* 8583
control, Bulgaria 8582
*Monilinia* 5523
*Sclerotinia fructigena* 8582
*Tranzschelia discolor* 3290-3291
disorders, internal breakdown 5522
dormancy, cyanamide 120
drought, resistance, cultivars 815, 4016
economics, Turkey 8445
flowers
initiation, photosynthesis 2662
morphology 119
frost
injuries 7324
resistance, cultivars 1310, 1319, 2698
fruits
biochemistry
cyanamide 120
growth regulators 8584-8586
nutrition 8581, 8585
composition 47, 1340, 4661, 8572
maturity, assessment 2012, 8587, 8589
mechanical properties
cyanamide 120
growth regulators 8584
nutrition 8581
ripening, growth regulators 8586
set, cyanamide 120
size
cyanamide 120
nutrition 8581
thinning
growth regulators 6508
responses 6508
fungicides
application 4690, 8583
disease resistance 5523
grafting
scions, assessment 8573
techniques
bench grafts 8574
micropropagation 2700
growth regulators
ABA, determination 1252
IAA, determination 1252

**Plums** *cont.*
harvesting, harvesting date, assessment 2012, 8587, 8589
heat, resistance, cultivars 815
herbicides
injuries 742
responses 8579-8580
tolerance 5520
irregular bearing, thinning 6508
irrigation, responses 3289
leaves, composition 5521, 8168, 8572
marketing, Europe 7138
nutrients, requirements, analysis 5522
nutrition 4753
boron 8581, 8585
calcium 8581, 8585
green manures 818
nitrogen 3289, 8578-8580
potassium 117, 8578, 8580-8581
pesticides, application 8583
pests
bulbuls 8451
bullfinches 5524
control
Bulgaria 8582
German Democratic Republic 8583
*Cydia funebrana* 118, 8582
*Hoplocampa minuta* 8582
magpies 8451
parakeets 8451
surveys, techniques 743
*Tetranychus urticae* 800
plant
composition 4754
development, phenology 744
planting, spacing 4752, 5517
planting stock, production, containers 9026
pollination
compatibility 1354
cultivars 114, 2011, 3292, 7325
processing, cultivars 115, 2696, 5519, 7325
production
Argentina 7204
Chile 7204
Czechoslovakia 2610
France 1270
products, oils 3946
pruning
responses 4752
seasons 4752, 5517
reports, German Federal Republic 16-17, 732, 3215
rootstock scion relationships
compatibility 8574
growth 8462, 8575
nutrition 117
yields 8462
rootstocks
assessment, South Africa 8576
characteristics 1915
Denmark 6415
USSR 817
diseases 7328
dwarfing 5517
propagation, tissue culture 4021
seeds, composition 47, 3946
soil amendments 4753
soil management
responses 3289
systems 3289
soil pH, responses 4753
species, identification 8168
storage
diseases 1340, 1355, 5500
disorders 5500
quality, harvesting date 8587
systems
cold storage 2013
controlled atmosphere storage 121, 2013
treatment 1355, 8588
tissue culture
biochemistry 1252
physiology 7329
propagation, micropropagation 4662, 7329, 8577
training, systems 46
utilization, erosion control 8571

**Plums** *cont.*
weed control 5520, 8578, 8580
winter hardiness, cultivars 7324
**Plums** × ***Prunus spinosa***, cuttings, micropropagation 4021
***Plutella xylostella***
*Brassica* 7553
cabbages 236, 883, 4879-4881, 6632, 8726
cauliflowers 8718
Cruciferae 8732
***Pluteus***, composition 1094
***Pluteus salicinus***, composition 366
***Poa***, as weeds, vegetables 176
***Poa annua***
allelopathy 2242
as weeds
cabbages 1447
fruit crops 5418
lawns and turf 2243, 4386, 7887
peas 6687, 8809
temperate fruits 7208
competition, lawns and turf 424
fungicides, injuries 2243
growth regulators, mefluidide, responses 5050
herbicides, residues 6041
nutrition
nitrogen 424
phosphorus 424
***Poa huecu***, plant, composition 1165
***Poa pratensis***
allelopathy 2242
as cover crops, grapes 2764
cultivars
assessment, USSR 4381, 5048, 7881
characteristics, USA 2961, 2963, 4384, 7883
diseases 2961, 2963, 4384, 5048, 7883
drought, responses 1610
growth regulators, amidochlor, responses 421
growth retardation, growth regulators 421, 7156
herbicides
injuries 1611
residues 6041
irrigation, requirements, determination 5049
mowing 419
nutrition, nitrogen 422-423, 2246, 3585, 7889, 8991
photosynthesis
measurement 426
physiology 419
plant, development, growth regulators 1614
soilless culture, cultural methods 4385
weed control 1611, 7887
***Podophyllum hexandrum***
rhizomes, composition 6218
seedlings, development, physiology 4358
***Podophyllum peltatum***, rhizomes, composition 6218
***Podosphaera leucotricha***
apples 17, 751, 1290, 1921, 2613, 2615, 3235, 3948, 4687, 5405, 5426, 6439, 6444, 8423, 8486-8488, 8491, 9093
*Malus orientalis* 5426
***Pogostemon auricularis***, plant, composition 9193
***Pogostemon cablin***
diseases, *Alternaria alternata* 1679
plant, composition 516
tissue culture, propagation, micropropagation 3687
***Pogostemon heyneanus***, plant, composition 9103
**Poinsettias**
cultivars, nutrition 7929
cultural methods
containers 1035
pot plants 470, 5076, 6086, 6846
cuttings, production, techniques 2270, 7928
diseases, control, UK 470
disorders, control, UK 470
economics, Norway 6085

**Poinsettias** *cont.*
growing media
characteristics 9002
composition 9003
pH 6846
porosity 6846
growth regulators
cytokinins, responses 2270
ethylene, biosynthesis 1636
growth retardation, growth regulators 7156
inflorescences, development, physiology 6847
irrigation, fertilizers, application 5076
leaves, development, physiology 6847
nutrients, absorption, humidity 2940
nutrition
molybdenum 2271, 7929
nitrogen 5076
potassium 5076
pests
Aleyrodidae 3629
control, UK 470
*Trialeurodes vaporariorum* 6773
plant
composition 638, 1636, 1782
development, temperature 1635
protected cultivation, light 382
reports, German Federal Republic 15, 17
soilless culture, systems, assessment 7928
tissue culture, embryogenesis 740
**Poland**
apples, cultivars 5427
broccoli, cultivars 2825-2826
*Capsicum*, cultivars 289
celery, cultivars 7808
cherries, cultivars 2655
chrysanthemums
cultivars 1567
cultural methods 5004
hops, economics 7992
*Kalmia latifolia*, surveys 3002
lettuces, cultivars 211-212
raspberries, cultivars 823
red currants, cultivars 7343
strawberries, cultivars 827, 2726
*Vaccinium*, cultivars 132
***Polianthes tuberosa***
cut flowers, production, cultural methods 2237, 2239, 2959
rhizomes
production, cultural methods 2959
treatment 2238
tissue culture, propagation, techniques 6822
**Pollen**
composition
apples 3255
*Carnegiea gigantea* 7053
grapes 6537
ornamental plants 5950
*Rosa* 1639
*Saxifraga ciliata* 2431
tea 6358
*Typha latifolia* 6046
development
cytology
*Arachnis hookerana* × *Vanda tricolor* 1031
*Aranda* 1031
olives 2540
*Ophrys lutea* 5068
*Trillium kamtschaticum* 3576
germination
age, *Aglaonema crispum* 5056
biochemistry
*Clivia nobilis* 1018
olives 6272
cultivars
apricots 1313
cherries 2663
pears 1349
walnuts 123
culture media, dates 9279
defoliation, apples 5451
fungicides, *Vaccinium corymbosum* 1368
gamma radiation, apples 6455
**Pollen** *cont.*
germination *cont.*
growth regulators
almonds 3234
apples 3256
apricots 3234
strawberries 830
herbicides, Apocynaceae 4425
physiology
*Catharanthus roseus* 5149
*Typha latifolia* 8995
quinones, *Lilium longiflorum* 7868
temperature
*Juglans nigra* 4027
kiwifruits 2022
walnuts 123, 4027
morphology
apples 2612
grapes 4810
storage
cherries 2663
walnuts 123
tissue culture, *Lilium longiflorum* 6032
tubes
composition, apples 3255
development
almonds 3234
apricots 3234
*Basella alba* 980
*Catharanthus roseus* 5149
cucumbers 3932
ornamental plants 4349
peaches 4010
pears 1349
*Petunia* 3553
*Salpiglossis sinuata* 1011
tea 3932
*Tradescantia virginiana* 6020
ultrastructure, *Iris pseudacorus* 6030
ultrastructure, *Magnolia* 3628
viability
cultivars, cherries 2663
soil water, *Phaseolus vulgaris* 7644
temperature
*Lagenaria siceraria* 903
*Phaseolus vulgaris* 7644
tests
hazelnuts 6483
*Impatiens* 399
water relations, *Phaseolus vulgaris* 7644
**Pollination**
biochemistry
*Petunia* 1582
walnuts 1358
compatibility
almonds 3943
apples 1296-1297, 3255
blackberries 3303
*Citrus meyerii* 6258
fruit crops 7212
*Hibiscus syriacus* 5095
*Lathyrus* 6013
lemons 6258
*Malus* 3947
*Malus floribunda* 1297
mandarins 8201
plums 1354
sweet peas 6013
cultivars
apples 1295-1298, 2612
cherries 782, 7288
dates 9279
olives 9296
pears 109, 809, 5512
plums 114, 2011, 3292, 7325
pomegranates 9300
physiology
Araceae 5949
avocados 2491
*Cymbidium* 454
pollinators
Agaonidae, figs 7293
*Agrius convolvuli*, *Aerangis ellisii* 6063
Andreninae, apples 7261
*Apis mellifera*
apples 7261
vegetables 2851
**Pollination** *cont.*
pollinators *cont.*
Apoidea
almonds 3231
apples 5471, 7261
*Lagenaria siceraria* 8761
mangoes 7084
marrows 6662
pome fruits 3231
*Stanhopea panamensis* 6832
strawberries 1375, 5567
tomatoes 7786
*Vaccinium corymbosum* 7354
birds, *Etlingera elatior* 1669
Cecidomyiidae, cocoa 9333
Diptera
apples 7261
mangoes 7084
*Elaeidobius kamerunicus*, oil palms 9369
*Forcipomyia*, cocoa 9333
Formicidae, mangoes 7084
Hymenoptera, apples 7261
insects
*Allium obliquum* 4119
cauliflowers 7556
cocoa 2551
raspberries 8605
Nitidulidae, atemoyas 4563
*Panogena lingens*, *Aerangis ellisii* 6063
research
*Actinidia chinensis* var. *chinensis* 6513
apples 7260
hazelnuts 7292
*Hippophae rhamnoides* 2747
kiwifruits 2022, 6513
olives 2534
peaches 8533
*Simmondsia chinensis* 9224
*Viola tricolor* 8966
techniques
coconuts 6301
*Hippophae rhamnoides* 2745
kiwifruits 126
pistachios 8569
strawberries 1375
*Yucca* 6056
**Pollution**
acids
horticultural crops 7153
*Phaseolus vulgaris* 909
radishes 1456
strawberries 4059
*Vicia faba* 4913
aluminium
*Phaseolus vulgaris* 7625
tomatoes 7625
ammonia, plants 3224
arsenic, plants 3224
cadmium
*Adhatoda vasica* 9111
*Capsicum* 7748
garlic 8677
okras 6700
*Phaseolus vulgaris* 4903, 7621
tomatoes 2922, 7748
vegetables 4100, 7448
caesium, horticultural crops 1240
carbon monoxide, plants 3224
chlorine, horticultural crops 7154
chromium, vegetables 4171
copper
*Adhatoda vasica* 9111
spinach 7498
exhaust gases, woody plants 7913
factory fumes, plants 3224
fluorine
*Phaseolus vulgaris* 7625
tomatoes 7625
heavy metals
*Adhatoda vasica* 9111
apples 6432-6434
melons 247
*Nerium oleander* 3003
*Pleurotus sajor-caju* 5938
*Sinapis alba* 7447
vegetables 7447
hydrocarbons, plants 3224

**Pollution** *cont.*
hydrogen fluoride
grapes 3331
plants 3224
hydrogen sulphide, spinach 2803, 6593
industrial wastes
melons 247
radishes 2113
*Sinapis alba* 7447
vegetables 7447
woody plants 4414
lead
onions 193
peas 4240
plants 3224
vegetables 7448
mercury
*Adhatoda vasica* 9111
lettuces 7517
radishes 2113, 7517
vegetables 1405
nickel, tomatoes 1531
nitrogen oxides
*Cotinus coggygria* 4432
*Cucurbita maxima* 6643
greenhouse crops 4631, 6392
peas 2872
plants 3224
oils, *Phaseolus vulgaris* 7622
ozone
horticultural crops 7153
okras 8841
peas 2872
*Pharbitis nil* 8769
*Phaseolus vulgaris* 5752, 6668, 7617, 8769
plants 3224
radishes 7568
tomatoes 7749
vegetables 1406
peroxyacetyl nitrate
*Pharbitis nil* 8769
*Phaseolus vulgaris* 8769
phthalates, radishes 2836
protective plants
*Ficus benjamina* 5088
*Moringa* 3206
radioactive fallout, temperate fruits 6510
radionuclides
horticultural crops 1240
tomatoes 5880
research
*Bougainvillea spectabilis* 7938
horticultural crops 7149
*Phaseolus vulgaris* 7622
selenium
tomatoes 7750
vegetables 1405
sulphur compounds, spinach 6594
sulphur dioxide
*Cotinus coggygria* 4432
*Phaseolus vulgaris* 7623-7624
plants 3224
spinach 5649
*Vicia faba* 1493, 3425, 4913
woody plants 5072
tolerance, woody plants 4414
uranium, vegetables 8663
zinc, *Phaseolus vulgaris* 7621
**Polyacetylenes,** composition, *Artemisia campestris* 6914
**Polyacrylamide,** utilization, growing media, mushrooms 1552
***Polyalthia longifolia,*** seedlings, development, morphology 501
**Polyamines**
biosynthesis, *Phaseolus vulgaris* 921
metabolism
ripening, pears 3286
senescence
carnations 1900
*Phaseolus vulgaris* 1900
soil amendments, kale 4876
storage, pears 3286
tissue culture, *Senecio vulgaris* 8108
***Polygala japonica,*** plant, composition 606
**Polygonaceae,** as weeds, peas 6687
***Polygonatum,*** plant, composition 4514
***Polygonatum sewerzowii,*** plant, composition 2338
***Polygonum amplexicaule,*** leaves, composition 3792
***Polygonum aviculare***
as weeds
cabbages 1447
peaches 1334
peas 8809
***Polygonum chinense,*** as weeds, tea 4597
***Polygonum coriarium,*** wild plants, edible species 5615
***Polygonum glabrum,*** plant, composition 2418
***Polygonum hydropiper,*** plant, composition 3122
***Polygonum longisetum,*** as weeds, fruit crops 5418
***Polygonum minus,*** products, flavour compounds 3688
***Polygonum monspeliensis,*** as weeds, onions 2092
***Polygonum multiflorum***
plant, composition 607
rhizomes, composition 534
***Polygonum nodosum,*** as weeds, hops 4463
***Polygonum pensylvanicum,*** as weeds, container grown plants 3618
***Polygonum persicaria***
as weeds
hops 4463
onions 1412
peas 1501
temperate fruits 7208
***Polyphagotarsonemus latus***
*Capsicum* 5858
*Capsicum baccatum* 2884
greenhouse crops 7458
***Polypodium vulgare,*** plant, composition 6156
**Polysaccharides**
biochemistry, avocados 4537
biosynthesis, *Vicia faba* 4915
characterization
*Auricularia* 2349
blackberries 5540
*Boschniakia rossica* 2351
*Grifola frondosa* 1135
*Pinellia ternata* 1761
radishes 3391
composition
*Allium suvorovii* 2338
cabbages 4151
*Capsicum* 306
*Cratoxylum pruniflorum* 1729
*Cryptoporus volvatus* 3073
*Curcuma longa* 1666
*Eremurus regelii* 2338
grapes 2751
*Grifola frondosa* 1134
*Hibiscus syriacus* 1140
*Lentinula edodes* 984
*Malva verticillata* 5204
onions 201, 2338, 2795, 2800
*Osmunda asiatica* 4400
*Peganum harmala* 2338
persimmons 1819
poinsettias 1636
*Polygonatum sewerzowii* 2338
*Psophocarpus tetragonolobus* 5835
*Triumfetta semitriloba* 5238
*Ungernia ferganica* 2338
*Ungernia sewerzowii* 2338
*Zingiber officinale* 4446
determination, apples 2646
metabolism
abscission, oranges 3144
age, tea 8360
biochemistry
peas 6695
roses 7503
spinach 7503
*Tropaeolum majus* 6021
defoliation, apples 2638, 5451
diurnal variation, lettuces 7524
enzymes, *Phaseolus vulgaris* 4203
flowering, olives 7048
fruiting, strawberries 2043
**Polysaccharides** *cont.*
metabolism *cont.*
germination
Orchidaceae 447
peas 2127, 2139, 5787
*Phaseolus vulgaris* 2127
growth, cucumbers 897
growth regulators
apples 3254
grapes 4813
watermelons 2847
irrigation, *Simmondsia chinensis* 9225
light
cocoa 9330
watermelons 2847
nutrition
grapes 5596
mandarins 8176
okras 8842
photoperiodism
cucumbers 1480
spinach 3367
physiology
apples 7269
grapes 7393
tomatoes 6719
pollution, horticultural crops 7149
pruning, peaches 8544
ripening
apples 1961
mangoes 4588
pears 5513, 8563
*Phaseolus vulgaris* 269
strawberries 7369
tomatoes 1543
rooting
apples 5442
*Petunia* 5999
*Pyrus pyrifolia* 8560
rootstock scion relationships, *Citrus* 645
seasonal variation
coffee 8263
grapes 4814
*Opuntia ficus-indica* 677
*Simmondsia chinensis* 9225
tea 8361
senescence, *Mesembryanthemum crystallinum* 5061
shade, peaches 2678
soilless culture, lettuces 219
storage
*Capsicum* 4942
mangoes 4588
temperature, grapes 2079
tissue culture
carrots 4981, 7806
grapes 165
water relations
*Cucurbita maxima* 898-899
olives 8218
peas 5787
tea 8360
*Trigonella foenum-graecum* 6866
production
tissue culture
*Echinacea purpurea* 1733
*Symphytum officinale* 2443
***Polyscias scutellaria,*** leaves, composition 6977
***Polystichum adiantiforme*** *(see Arachniodes adiantiformis)*
***Polystigma rubrum,*** plums 2694
**Pome fruits**
reports, German Federal Republic 14
storage, quality, assessment 6465
**Pomegranates**
cultivars
assessment, USSR 2543
dwarf cultivars 3162
cuttings 7051
herbicides, injuries 988
mutants, induction, tissue culture 3162
ornamental plants, propagation 3163
pests
*Deudorix epijarbas* 6277
Lepidoptera 6277
mammals 8450
*Virachola isocrates* 6277

**Pomegranates** *cont.*
plant extracts, application, lemons 1807
pollination, cultivars 9300
production, USSR 5381
reports, Berlin 2585
salinity, responses 7052
seeds, composition 6275
tissue culture
propagation
anthers 6276
techniques 3163
techniques 3162
***Poncirus,*** cultivars, diseases 9245
***Poncirus trifoliata***
as interstocks, *Citrus limettioides* 5266
as rootstocks
*Citrus* 645, 1791, 2516, 9251
*Citrus volkameriana* 644
lemons 3829, 6244
mandarins 5265
oranges 7028
satsumas 9268
sour oranges 644
cultivars
assessment, India 9251
characteristics, USSR 2516
drought, tolerance 9247
rootstock scion relationships
biochemistry 645
growth 644
physiology 644
seeds
development, polyembryony 8170
germination, tests 8170
***Poncirus trifoliata* × oranges,** as rootstocks, oranges 8172
***Pongamia pinnata***
flowers, composition 1765, 4515
leaves, composition 5215
plant, composition 9143
seeds, composition 6152
***Ponthieva,*** seeds, germination, culture media 3607
***Popillia japonica,*** grapes 1396
**Poppy** (*see Papaver*)
***Populus***
landscaping
urban sites 6068
USSR 9046
pruning, systems, assessment 2269
***Poria cocos***
cultural methods 8939
China 2419
***Poria hypolateritia,*** tea 8358
**Portugal**
carnations, cultivars 5958
olives, cultivars 1816
***Portulaca,*** as weeds, vegetables 176
***Portulaca grandiflora,*** seedlings, production, cultural methods 8963
***Portulaca oleracea***
as weeds
*Capsicum* 2151, 5882
cucumbers 5719
*Gerbera* 383
*Gladiolus* 1600
onions 4110
tomatoes 3490, 5882
leaves, composition 4516
plant, composition 608, 2420-2421, 3102-3104
***Portulacaria afra***
photosynthesis, water relations 1622
water relations, physiology 1622
**Pot plants**
cultural methods, mechanization 2599
economics, Norway 6085
growing media
characteristics 7901
books 7113
handling, techniques 3941
marketing
Canada 7833
Europe 7833
USA 7833
pests, control, Denmark 1561
protected cultivation
energy conservation 3225
systems, greenhouses 2599, 8941
reports, German Federal Republic 732

**Pot plants** *cont.*
transport
calamondins 3590
*Ficus benjamina* 7900
*Hibiscus rosa-sinensis* 7946
systems, assessment 3590
**Potassium**
absorption
*Capsicum* 306, 3480
cocoa 9323
dates 660
grapes 1380, 7414
kiwifruits 2021
melons 8748
passion fruits 674
peas 274, 5800
pecans 812
*Phaseolus vulgaris* 910-911
plants 5399
plums 117
strawberries 145, 2736, 8618
tomatoes 1534-1535, 2923, 8898
vegetables 2082
composition
apples 1948, 3977
*Asparagus* 3468
*Baccaurea sapida* 4604
beetroots 868
*Boletus tropicus* 2190
Brussels sprouts 4148
*Bupleurum falcatum* 2353
*Capsicum* 2888
carrots 4978
cauliflowers 5686, 6624
chicory 6612
cocoa 4576
coffee 7076
*Flacourtia jangomas* 4604
fruit crops 5414
grapes 2081, 2779
guavas 5309
lettuces 5670
*Macadamia* 9283
mangoes 2556, 5315
melons 6650
peaches 8546
plums 8572
*Suillus granulatus* 2190
tomatoes 4331
watermelons 6650
*Ziziphus mauritiana* 8364
deficiency
apples 8478
cashews 3871
coconuts 9336
coffee 3878
grapes 158, 2051
*Hydrangea* 6845
kiwifruits 5532
lettuces 218-219
mangoes 8290
pawpaws 1842
*Phaseolus vulgaris* 6675
*Piper nigrum* 3659
plums 117
tomatoes 2908, 4963, 6733
vegetables 5625
determination
apples 5456, 7272
greenhouse crops 328
horticultural crops 24
*Mentha piperita* 2314
exudation, tomatoes 5464
fertilizers
assessment
*Capsicum* 305, 307
nectarines 7368
oranges 650
peaches 7368
pistachios 7368
strawberries 7368
tea 3899
vegetables 7455
metabolism
age, *Capsicum* 299
ammonium, chrysanthemums 6778
boron
*Pyrus pyrifolia* 5510
tomatoes 5903
cadmium, cucumbers 6649
caesium, tomatoes 341

**Potassium** *cont.*
metabolism *cont.*
calcium
melons 5891
pawpaws 1842
peaches 798
plums 117
tomatoes 4316, 5891
carbon dioxide, celery 7809
cultivars
grapes 7412
okras 285
defoliation
apples 5451
grapes 6553
disorders
grapes 6564
peaches 2677
tomatoes 336
diurnal variation, tomatoes 5916
drought, okras 285
flooding, pecans 7319
fruiting
*Litchi* 8212
loquats 7039
pecans 6504
germination, *Euphorbia lathyris* 1783
growth, tomatoes 2913
growth regulators
apricots 8521
mangoes 9359
peaches 1336
tomatoes 2921
herbicides, plums 8579
humidity, tomatoes 2940
irregular bearing, mandarins 1203
lead, cucumbers 6649
light, tomatoes 7764
magnesium
oil palms 9366
plums 117
manganese
*Phaseolus vulgaris* 265
tomatoes 5903
mechanically induced stress, tomatoes 2921
mulching
*Telfairia occidentalis* 7597
tomatoes 2168, 6727
mycorrhizas
coffee 7071
*Phaseolus vulgaris* 7628-7629
*Rosa multiflora* 4423
nickel, plums 117
nitrogen
apples 8479
celery 7809
cucumbers 8752
mandarins 3833
okras 5843
peaches 798
*Phaseolus vulgaris* 5897
tea 8355, 9401
tomatoes 5897
nutrition
grapes 2054
peaches 7303
pistachios 7368
*Schefflera* 2967
phosphorus
apples 8481
celery 7809
coconuts 3876
*Parthenium argentatum* 5246
*Phaseolus vulgaris* 5897
tomatoes 2908, 5897
physiology
beetroots 2098
broccoli 237
grapes 2778, 4800
kale 884
*Lansium domesticum* 2576
peas 941
pineapples 707
vegetables 4827
ripening
boysenberries 131
feijoas 3857
grapes 6572

**Potassium** *cont.*
metabolism *cont.*
rootstock scion relationships
apples 5438
grapes 6541
pears 4745
salinity
coconuts 9337
grapes 6562
*Nerium oleander* 3646
oranges 1802
*Parthenium argentatum* 5246
tomatoes 323, 969
vegetables 2914
seasonal variation
apples 8476
grapes 6558
guavas 5308
kiwifruits 5529
*Menyanthes trifoliata* 6206
peaches 6491, 8545
pears 107
peas 5800
tea 4599
tomatoes 329
sodium
Chinese cabbages 2832
melons 5891
tomatoes 5891
soil aeration, apples 84
soil amendments
guavas 5310
oranges 6254
soil water, oil palms 9367
soilless culture, lettuces 219
sulphur
broccoli 5857
*Capsicum* 5857
temperature, tomatoes 2166
titanium, tomatoes 6734
water relations, oranges 1802
nutrition
*Adiantum raddianum* 5055
almonds 4666
*Anethum graveolens* 2297-2298
*Aphelandra squarrosa* 7937
apples 62, 65, 4684, 5440, 6464, 7236
apricots 1970
*Armoracia rusticana* 502, 5102
*Asparagus* 7703
aubergines 6703, 6713
bananas 4567, 8234
*Basella alba* 7814
*Begonia* 406
*Begonia tuberhybrida* 4368
blackberries 128
broccoli 5685
cabbages 235, 4879, 5685, 7546
*Calendula officinalis* 6925
*Capsicum* 304, 306, 3481, 3483, 4289, 6703, 6707-6708, 7719
carnations 5954
carrots 2176, 2931, 3509
cashews 4571-4572
cauliflowers 2827, 5685
celery 2178
*Chamomilla recutita* 512
cherries 4722, 5440
chrysanthemums 2941, 7838
*Citrus limettioides* 1202
cocoa 5300, 8255, 9321
coconuts 2552, 3172, 3876
coffee 8264
conifers 463
container grown plants 460
cucumbers 4895
*Cucurbita maxima* 2846
*Cucurbita pepo* 5725
*Curcuma longa* 6864
*Daphne cneorum* 1050
*Daphne mezereum* 1050
dates 2528
*Datura stramonium* 5186
*Dieffenbachia maculata* 1027
*Eremochloa ophiuroides* 8990
essential oil plants 2331
*Euonymus japonicus* 1041
*Eustoma grandiflorum* 6011
*Ficus lyrata* 4397-4398
foliage plants 5051-5052, 8996

**Potassium** *cont.*
nutrition *cont.*
*Freesia refracta* 6805
garlic 6584
*Gerbera* 5010-5012, 7841
*Gladiolus* 5033-5034
grapes 850, 1385, 2069-2071, 2073-2074, 3336-3337, 4796, 5594, 5596, 6559-6560, 7386, 7413, 7416, 7419
hazelnuts 7291
*Hevea* 8316
*Hibiscus rosa-sinensis* 1651
*Hippophae rhamnoides* 2046
horticultural crops, reviews 8421
lawns and turf 1022, 6044
leeks 7546
lemons 2518
lettuces 218-219, 235, 4143, 5665-5666
*Limonium* 4361
*Malva glabra* 8080
mandarins 3833, 8176, 8182
mangoes 5314, 5316
medicinal plants 2331
melons 1471, 4185, 4896, 5725, 7600, 7602
*Nephrolepis exaltata* 6054
*Ocimum basilicum* 2298
oil palms 3179
okras 288
olives 9295
onions 192, 4112, 4834, 8685
oranges 651
*Papaver* 3787
*Papaver nudicaule* 5023
peaches 5492, 7303
pears 106, 4012
peas 4245
pecans 812
*Peperomia obtusifolia* 3600
*Phaseolus vulgaris* 262, 913, 3412, 3417, 4207, 4213, 5897, 6674
pineapples 3182, 7092
*Piper nigrum* 3009
plums 8578, 8580-8581
poinsettias 5076
*Polianthes tuberosa* 2959
radishes 5699, 6639, 7569
raspberries 7350
red currants 7343
*Rhododendron* 1041, 5077-5078
*Rhododendron japonicum* 472
*Rosa damascena* 2318
*Rosa multiflora* 4423
*Rubus glaucus* 1366
*Salvia officinalis* 6881
satsumas 1197, 3145
*Schefflera* 4401
*Simmondsia chinensis* 8135, 8145, 9234
strawberries 830, 2734, 3313, 4061, 4771, 7355
sugarcane 1234, 5337-5338, 6340, 8331, 9391
*Syngonium podophyllum* 498, 1030
*Syzygium aromaticum* 6130
tea 720, 4599, 8353, 8356, 9401-9403
tomatoes 1529, 2156, 2909, 2912-2913, 4961, 4966, 5880, 5895, 5897, 5917-5918, 6729, 7761, 8883, 8892, 8895
tung 6278
*Vaccinium* 4048
*Vaccinium angustifolium* 137
*Vaccinium ashei* 5549
*Vaccinium macrocarpon* 4049
*Valeriana officinalis* 5240
vegetables 5626, 7454
*Vicia faba* 1494, 3426
watermelons 7601
*Zingiber officinale* 3665, 9066
*Ziziphus mauritiana* 5353
requirements
analysis
apples 5458, 8476
avocados 642
bananas 682
*Capsicum* 301-302, 305
carnations 5003

**Potassium** *cont.*
requirements *cont.*
analysis *cont.*
coffee 6281
*Elettaria cardamomum* 7956
*Gerbera* 7842
grapes 2769, 4083, 6557
guavas 7077, 9346
hazelnuts 7290
*Hevea* 6281
lettuces 1440
limes 9254
loquats 7038
mangoes 7078
okras 3470
onions 5641
oranges 1198, 8180
peaches 4007
pears 4746, 5458
peas 273
*Phaseolus vulgaris* 264
plums 5522
raspberries 2027
roses 1045
satsumas 5270
sugarcane 5337, 6339
tea 6281
*Tilia platyphyllos* 3652
tomatoes 2907, 3498, 4962, 4965, 5894
*Vaccinium corymbosum* 5548
vegetables 235, 4826
responses
peas 8807
*Salix* 3535
*Senecio hybridus* 7853
tomatoes 967
*Vicia faba* 5774
toxicity
tomatoes 2908
*Vicia faba* 8788
translocation
apples 5470
broccoli 238
kiwifruits 5533
*Nerium oleander* 3646
*Pelargonium zonale* 389
*Phaseolus coccineus* 7640
tomatoes 4972
**Potato virus Y,** *Capsicum* 291, 7709
***Potentilla,*** plant, composition 3032
***Potentilla erecta,*** plant, composition 6167
***Potentilla fruticosa***
plant, composition 9194
planting stock, production, containers 479
***Potentilla palustris,*** wild plants, utilization, USSR 735
***Potentilla parvifolia,*** cuttings, rooting, growing media 3615
**Poultry manure**
utilization
fertilizers
*Armoracia rusticana* 5102
*Basella alba* 7814
tomatoes 4964
*Vaccinium angustifolium* 137
growing media
mushrooms 4988-4990, 7818
strawberries 2735
soil amendments
cabbages 7550
tomatoes 8894
***Pouteria lucuma,*** taxonomy, nomenclature 3905
***Prangos ferulacea,*** fruits, composition 1072
***Pratylenchus***
apples 2631
garlic 7465
grapes 7429
peaches 2631
sugarcane 8338
***Pratylenchus brachyurus,*** pineapples 8308
***Pratylenchus coffeae,*** coffee 3879
***Pratylenchus penetrans***
apples 4688
radishes 8738
raspberries 4762

***Pratylenchus zeae,*** sugarcane 8339
***Prays oleae,*** olives 2534
***Primula beesiana,*** plant, composition 6783
***Primula bulleyana,*** plant, composition 6783
***Primula denticulata***
leaves, composition 6002
plant, composition 2214
***Primula elatior***
leaves, composition 6002
plant, composition 1692
***Primula japonica,*** plant, composition 6001
***Primula malacoides,*** leaves, composition 6002
***Primula obconica,*** leaves, composition 6002
***Primula palinuri,*** plant, composition 6783
***Primula praenitens,*** leaves, composition 6002
***Primula pulverulenta,*** plant, composition 6001, 6783
***Primula veris***
plant, composition 1692
seeds, production, environment 3554
***Primula vulgaris***
cultivars, assessment, German Federal Republic 6000
leaves, composition 6002
nectar 3620
***Prionoxystus robiniae,*** figs 6484
***Procontarinia matteiana,*** mangoes 9351
***Procystiphora indica,*** mangoes 5317
***Procystiphora mangiferae,*** mangoes 5317
**Propylene,** responses, *Annona* 8232
***Prosopis glandulosa,*** flowers, composition 609
**Proteaceae,** reports, New Zealand 1892
**Protected cultivation** (*see also* Greenhouses)
carbon dioxide
carnations 5957
celery 1551, 7809
chrysanthemums 1569, 7160
citranges 1193
cucumbers 895, 3929, 4632, 5395, 5732, 6644
fennel 1551
greenhouse crops 4631, 6392, 7158 reviews 31
horticultural crops 4632, 7159
*Kalanchoe* 6829
lettuces 7522
*Lilium* 2953
ornamental plants 1579, 5943
plants 8668
*Rhododendron* 2990
roses 5732
sour oranges 3142
tomatoes 338, 340, 1535, 3500, 5906, 6736, 6746, 7160, 7751, 7754
tropical crops 2600
vegetables 34, 3351, 4099, 4103, 4319
*Vicia faba* 7648
cultivars
*Anethum graveolens* 2787
*Anthriscus cerefolium* 2787
aubergines 311, 5864
broccoli 230, 7539
cabbages 7531
*Capsicum* 289, 4281-4283
carnations 5970
chicory 3372
Chinese cabbages 227
chrysanthemums 1567
*Citrus* 2512
cucumbers 2837-2838, 2840, 4177-4178, 7575, 7579, 7742, 8740-8741
*Cucurbita pepo* 2839
endives 3372, 4862, 5662, 8710
*Hibiscus rosa-sinensis* 488
horticultural crops 6390
kohlrabi 3375
lettuces 211-212, 3373, 4865, 5663, 7513, 8711
*Lilium* 8979
onions 3360
radishes 2834, 6635
spinach 7494

**Protected cultivation** *cont.*
cultivars *cont.*
strawberries 139, 4766, 7357, 7360
tomatoes 317, 956, 2897, 2899, 4303, 4305, 4946, 4967, 5872, 6717, 7739, 8867-8868, 8870
tulips 6033
turnips 3360
*Valerianella locusta* 3517
vegetables 2787
watermelons 4891
cultural methods
*Capsicum* 7718
celery 1551
chicory 3517
cucumbers 20
endives 3517
fennel 1551
foliage plants 2969
*Gloriosa* 6821
*Hibiscus rosa-sinensis* 488
horticultural crops 6527
lawns and turf 4385
lettuces 211-212, 3517
onions 3360
ornamental plants 5385
pineapples 706
tomatoes 320, 326, 5881, 5917-5918, 6751, 6753, 8889, 8906
turnips 3360
*Valerianella locusta* 3517, 7817
vegetables 5385, 8667
diseases
aubergines 4295, 8864
*Capsicum* 5859-5860, 5947, 6709, 7717
chrysanthemums 5947
cucumbers 5717, 5734, 5739, 6651
horticultural crops 6390, 6397
*Impatiens* 6794
lettuces 5673
roses 475, 6097
*Syngonium podophyllum* 5947
tomatoes 5915, 8900
disorders
*Capsicum* 4938
horticultural crops 6397
lettuces 5671
tomatoes, reviews 7772
economics
chrysanthemums 1568
cucumbers 7598
foliage plants 7891
*Gerbera* 5012
horticultural crops 4632, 6390
*Kalanchoe blossfeldiana* 7902
lettuces 217
melons 5714
*Spathiphyllum* 4404
tomatoes 3500, 7735, 7759, 8412
*Valerianella locusta* 7817
energy conservation
bedding plants 987
foliage plants 8996
greenhouse crops 2593
horticultural crops 6399
lettuces 7519
ornamental plants 4633
pot plants 3225
roses 1046
tomatoes 4646, 6721, 6723, 8880
vegetables 987, 8398
woody plants 2982
energy requirements
*Capsicum* 7718
chicory 6608
greenhouse crops 2594
strawberries 6402
tomatoes 3488, 7718
equipment
*Alstroemeria* 35
tomatoes 5890
growing media
*Begonia hiemalis* 7858
*Capsicum* 298
carnations 5954, 5957
*Codiaeum variegatum* 9000
cucumbers 5713
*Cyclamen persicum* 5030
foliage plants 8997
*Gerbera* 5993

**Protected cultivation** *cont.*
growing media *cont.*
strawberries 2735
tomatoes 966, 3500, 4960, 6731, 8885, 8892-8893
vegetables 4828
heating systems
*Gerbera* 5009
horticultural crops 6401, 7163
ornamental plants 3927
*Rhododendron* 2591
tomatoes 6388
vegetables 7449, 8398
humidity
*Capsicum* 4938
cucumbers 4188, 5724
foliage plants 7891
ornamental plants 5943
tomatoes 5888
irrigation
broccoli 230
*Capsicum* 304, 2153
carnations 5957
chrysanthemums 8953
*Codiaeum variegatum* 9000
cucumbers 4892, 5721
foliage plants 8997
grapes 7411
greenhouse crops 738, 8405
pot plants 3225
strawberries 7366
tomatoes 331, 2903, 3489, 3492, 4307, 5394, 8892
tulips 2957
vegetables 4823, 6387
labour requirements
*Capsicum* 7718
cucumbers 8763
tomatoes 7718
light
*Begonia hiemalis* 7858
*Capsicum* 7727
carnations 5954, 5973, 5980-5982
chrysanthemums 1574-1575, 5988-5989, 7837
cucumbers 255, 3929, 6645
*Gerbera* 385
greenhouse crops 382
*Hedera helix* 6083
*Kalanchoe blossfeldiana* 7902
kohlrabi 4154
lettuces 216, 4137, 5667
*Lilium* 2953, 8982
ornamental plants 382, 5943
pot plants 5942
radishes 7567
*Rhododendron* 6087
strawberries 2041
tomatoes 325, 338, 2161, 2163, 2902, 3494, 3496, 4308, 6722-6723, 6746, 7751, 7764, 8412, 8880
vegetables 4319
mulching
*Capsicum* 5860
carnations 5957
horticultural crops 4630, 6393
lettuces 5673
strawberries 2731, 5559
tomatoes 325, 3494, 5881, 6727
nutrition
aubergines 6713
broccoli 7547
*Capsicum* 299-305, 307
carnations 5003, 5954
celery 2177
cucumbers 893, 4895, 5724
*Cymbidium* 7911
*Gerbera* 5012
lettuces 5666-5668
*Papaver nudicaule* 5023
*Phaseolus vulgaris* 7626
poinsettias 5076
roses 1045
tomatoes 331, 966, 1533, 4314, 4966-4967, 5895, 5917, 7761, 7783, 8892-8893
vegetables 7454
pests
*Aralia* 8998
*Capsicum* 308, 953

**Protected cultivation** *cont.*
pests *cont.*
chrysanthemums 380, 7832, 7835
cucumbers 252, 308, 896, 5717, 6651, 8901
Cucurbitaceae 7607
*Gerbera* 179, 5013, 6779, 8956-8958
horticultural crops 6390, 7181, 7189
Orchidaceae 9021
ornamental plants 180, 3629, 6773, 7458, 7830-7831, 8947-8949
roses 182, 8956-8957
Solanaceae 5914
tomatoes 337, 1540, 5915, 6724, 7780-7781, 8901
vegetables 178-182, 7456, 7458
*Zinnia* 7832
planting
interplanting, tomatoes 7759, 8870
seasons
aubergines 311
Chinese cabbages 227
lettuces 217-219, 7513
tomatoes 320, 1534, 7747
tulips 6033
systems
cucumbers 8763
lettuces 4137
tomatoes 4137
*Valerianella locusta* 7817
planting stock, strawberries 2038
pollination
*Citrus meyerii* 6258
lemons 6258
marrows 6662
strawberries 1375
tomatoes 7786
vegetables 2851
pollution, greenhouse crops 4631, 6392
pruning
*Capsicum* 296-297, 950
melons 8750
tomatoes 6727, 7758
rootstocks, lemons 6244
rotations
*Capsicum* 4282, 6527
cucumbers 4282
strawberries 6527
vegetables 964
shading
ornamental plants 5943
pot plants 429
tomatoes 4308, 8879
soil fumigation
horticultural crops 6582
tomatoes 6724
soil heating, horticultural crops 6393
soil management, lettuces 222
soil sterilization, tomatoes 6724
soilless culture, Welsh onions 6591
sowing date
*Capsicum* 6702
peas 2138
tomatoes 6722
*Valerianella locusta* 7817
spacing
*Capsicum* 950, 7716
Chinese cabbages 227
cucumbers 7598
*Cucurbita pepo* 3395
kohlrabi 3375
*Phaseolus vulgaris* 7626
radishes 241, 4885, 7566
tomatoes 5881, 5890, 7746, 7759
watermelons 4891, 6658
systems
greenhouses 4131
chrysanthemums 7164
*Hedera helix* 6083
horticultural crops 6390
*Iris* 3569
melons 5715
peaches 4733, 8541
pot plants 2599, 8941
roses 6851
strawberries 2735, 4101
tomatoes 3489, 4956
vegetables 4101, 6578
watermelons 4891

**Protected cultivation** *cont.*
systems *cont.*
plastic fabric
cauliflowers 1446, 2108
endives 6614
lettuces 6614
vegetables 5622
plastic film
broccoli 8728
cabbages 2828-2829
carrots 8924
cauliflowers 1446, 2108
celeriac 978
Chinese cabbages 7544, 8728
cucumbers 5722, 8747
endives 210, 6614
horticultural crops 4620, 4639, 8401
leeks 7468
lettuces 6614
marrows 8755
*Platycodon grandiflorus* 5024
radishes 6635, 8728
strawberries 5559
tomatoes 321, 4954, 8878
vegetables 5622, 6400
woody plants 3617
plastic nets, peaches 6487
plastic tunnels
*Agapanthus africanus* 6005
aubergines 4944
cabbages 2829
cucumbers 5717
*Cucurbita pepo* 2839
horticultural crops 6386, 6399, 6401, 8403-8404
*Lilium* 6811
melons 5716
peaches 5493
peas 5792
raspberries 8602
red currants 8602
strawberries 139, 1375, 2731, 5621
tomatoes 2903, 4955, 7164
vegetables 5621
woody plants 3617
temperature
*Alstroemeria* 4378
aubergines 311
broccoli 230
*Capsicum* 5860
carnations 5954
celery 2177
Chinese cabbages 7544
chrysanthemums 248, 1574, 1576
cucumbers 248, 2117
*Cucurbita pepo* 3395
*Cymbidium* 449, 7911
foliage plants 2970, 7891, 8996
*Ixia* 2235
kohlrabi 3375
lettuces 7516, 7518-7519
*Lilium* 8982
melons 5715-5716
*Nephrolepis exaltata* 9006
ornamental plants 5943
*Papaver nudicaule* 5023
*Phalaenopsis* 450
pot plants 2247, 3225
radishes 7567
roses 4422, 6851
*Saintpaulia* 2945
strawberries 7355
tomatoes 1535, 4308, 4311, 6388, 6721-6722, 6746, 7753, 7784
tulips 1606
vegetables 4319
training
*Capsicum* 297
cucumbers 5713, 7598
tomatoes 5881, 7759
watermelons 4891
ventilation
cabbages 2829
cucumbers 5732
roses 5732
tomatoes 3500, 4309, 5906, 7754
tulips 2957
weed control
foliage plants 3586

**Protected cultivation** *cont.*
weed control *cont.*
lettuces 5673
vegetables 176
**Proteins**
biochemistry
*Clivia nobilis* 1018
grapes 3349
horticultural crops 3936
peas 1499, 5811, 7657, 8706
*Phaseolus vulgaris* 3418
spinach 8706
biosynthesis
carnations 377
Jerusalem artichokes 2101
lettuces 213
peas 5789
characterization
*Abrus precatorius* 8011
cabbages 7564
carrots 5928
*Clivia nobilis* 7876
dates 6262
*Dioscoreophyllum cumminsii* 2457
*Haemanthus katherinae* 7876
*Luffa aegyptiaca* 7585
*Momordica charantia* 8744
*Papaver somniferum* 8089
peas 5824, 7660
*Phaseolus vulgaris* 4230, 7619
radishes 3391
*Solieria robusta* 9208
spinach 4122, 4127, 4844, 5824, 8696
*Thaumatococcus daniellii* 2457
tomatoes 2917
*Vigna radiata* 8836
*Washingtonia filifera* 6120
composition
algae 2363
almonds 3945-3946, 8452
*Amaranthus tristis* 3181
*Annona squamosa* 1217
apples 3255
*Asparagus* 3468
*Auricularia polytricha* 364
avocados 9243
*Baccaurea sapida* 4604, 6361
Brazil nuts 4605
broccoli 2826
Brussels sprouts 4148
*Capparis decidua* 1821
carrots 6757
*Cucurbita pepo* 2850
*Datura stramonium* 4489
*Diploknema butyracea* 4530
*Flacourtia jangomas* 4604, 6361
*Flammulina velutipes* 1554
fruit crops 5414
fungi 1555
*Gevuina avellana* 820
grapes 6537
hazelnuts 4002
horticultural crops 184
hyacinths 6809
*Lilium longiflorum* 1603
*Listera ovata* 1627
mangoes 3946
*Mirabilis jalapa* 3025
*Momordica charantia* 2398
mushrooms 1554
nectarines 95
onions 2094
*Opuntia* 5290
*Paullinia cupana* 9186
pawpaws 3181
peas 4251, 4255, 4263, 4920, 7698, 8815-8816, 8822
*Phaseolus vulgaris* 8784-8785
pistachios 8570
plants 1913, 6757
*Pleurotus ostreatus* 8936
plums 3946
*Psophocarpus tetragonolobus* 3461, 5835, 8835
*Solanum khasianum* 9207
spinach 4255, 4845
*Telfairia occidentalis* 258
*Terfezia claveryi* 5939
*Thymus* 3662
*Tirmania* 5939

**Proteins** *cont.*
composition *cont.*
*Trichosanthes kirilowii* 2398
vegetables 2086
*Vicia faba* 4916
*Viscum cruciatum* 1183
walnuts 5525
*Washingtonia filifera* 6119
*Zingiber officinale* 4446
determination
carrots 8926
peas 3433, 6694
*Vicia faba* 8796
metabolism
abscission, peaches 5496
age, tea 8360
alcohols, cashews 6290
bacteria, tomatoes 5892
biochemistry
Jerusalem artichokes 7509
peas 1511
*Phaseolus vulgaris* 2126, 2863
pumpkins 1466
*Sinapis alba* 9063
spinach 5653
cadmium, radishes 243
calcium, peas 930
cultivars, okras 285
cytotoxic compounds, onions 6590
drought, okras 285
flowering
*Narcissus pseudonarcissus* 1605
*Pharbitis nil* 998
*Thevetia peruviana* 3651
fruiting, pecans 6504
germination
Orchidaceae 447
peas 2127, 5787, 5789, 7663
*Phaseolus vulgaris* 2127
*Psophocarpus tetragonolobus* 1516
*Vanilla planifolia* 5107
growth regulators
apples 6454, 8470
aubergines 4971
*Cyamopsis tetragonoloba* 2136
peas 2145
*Pharbitis nil* 996
*Phaseolus vulgaris* 5767
pineapples 2562
plums 8584
*Thevetia peruviana* 3651
tomatoes 4971
*Vicia faba* 924
light
peas 3435
radishes 1458
spinach 8700
nematicides
aubergines 4971
tomatoes 4971
nitrogen, *Amaranthus tristis* 2937
nutrition
cashews 4572
*Cyamopsis tetragonoloba* 2136
okras 8842
pineapples 2562
photoperiodism, *Pharbitis nil* 386
photosynthesis
peas 3436
*Phaseolus vulgaris* 5761
spinach 3436
physiology
mushrooms 3520
okras 8845
peas 8817, 8819
*Phaseolus vulgaris* 2864
pineapples 707
plants 3427, 5410
spinach 4843
tomatoes 4970
potassium, tea 9403
ripening
bananas 1826
guavas 5311
*Litchi* 9280
strawberries 147
tomatoes 6752
rooting, *Petunia* 5999
seasonal variation
apples 775

**Proteins** *cont.*
metabolism *cont.*
seasonal variation *cont.*
cabbages 8734
*Opuntia ficus-indica* 677
senescence
carnations 3542
pears 1348
peas 943
*Phaseolus vulgaris* 1492
*Thevetia peruviana* 3651
storage
cauliflowers 7561
*Litchi* 9280
mushrooms 3520
vegetables 4167
sugars, peas 944
temperature
apples 56
*Cucurbita pepo* 1481
grapes 2777
peas 6693
tissue culture
*Asclepias syriaca* 4531
pears 1348
*Rauvolfia serpentina* 5219
water relations
peas 5787, 5789
tea 8360
production, plant residues, oranges 2525
***Protopulvinaria mangiferae,*** mangoes 7080
**Pruning** (*see also* Ringing)
economics, grapes 7400-7401
equipment
fruit crops 736
woody plants 6073
labour requirements, apricots 3244
prunings disposal
grapes 7441
tea 8348
responses
*Anthurium andreanum* 6006
apples 774, 1289, 1939, 3242-3244, 3252, 3957, 7227
apricots 3244
atemoyas 8230
aubergines 8863
avocados 2470
bananas 5296
*Capsicum* 296-297
carnations 5979
cherries 4721
*Citrus* 9253
coffee 1220-1221
*Eustoma grandiflorum* 6010
grapes 159, 850, 854, 1381-1382, 2062-2064, 2766, 3329, 3333-3334, 4792, 4794, 4805, 4812, 5588, 5591, 6552-6555, 6570, 7428, 8637, 8650-8651
guavas 3177
*Laurus nobilis* 1061, 3008, 7957
lemons 9253
olives 2538
peaches 2676, 6489, 8544
pears 7313
pecans 7321
persimmons 9299
plums 4752
*Rosa damascena* 2318
roses 3637, 7933
*Tagetes erecta* 7855, 8964
tea 718, 3903, 8349
tomatoes 320, 326, 4955, 4959, 6727, 7758, 8877
*Vaccinium angustifolium* 137
*Verbena rigida* 6022
*Vicia faba* 2133
woody plants 1034
*Ziziphus mauritiana* 8363
seasons
apples 7232
grapes 1400, 4082, 7402, 8637
guavas 9345
kiwifruits 2018
peaches 1335, 4734, 8544
plums 4752, 5517

**Pruning** *cont.*
systems
assessment
apples 3242, 3244, 7227, 7232, 8484
bananas 9308
carnations 5002
cherries 2659
coffee 7070
grapes 159, 1381, 1400, 2064, 2766-2767, 3329, 3333-3334, 4082, 4794, 4812, 5588-5590, 5610, 6554, 7392, 7394, 7403-7404, 7406-7408, 8637
*Impatiens balsamina* 2215
*Laurus nobilis* 1061, 3008
melons 8750
peaches 4733, 5492, 7301
pears 2691
*Pentas lanceolata* 6014
*Rosa damascena* 2318
roses 3637
*Simmondsia chinensis* 8135
tea 4598, 8344
tomatoes 8877
woody plants 1034, 2269, 6073
*Ziziphus mauritiana* 8362
books, apples 3208
burning, *Vaccinium angustifolium* 137
growth regulators
apples 2626
*Baphia nitida* 9043
mechanical methods
apples 3243
apricots 3244
fruit crops 5411
grapes 2065, 7132, 7399-7401, 7405
olives 2538
peaches 6490
pears 2006
raspberries 4041
*Simmondsia chinensis* 8140
*Vaccinium angustifolium* 137
root pruning
apples 1957, 3957
*Capsicum* 950
grapes 1382
persimmons 9299
strawberries 7367
tomatoes 962, 1545
wound dressings, apples 8483
***Prunus*** (*see also* Almonds; Apricots; Cherries; Damsons; Nectarines; Peaches; Plums)
buds, dormancy, physiology 1904
herbicides, tolerance 6070
landscaping, urban sites 6065-6066
plant, composition 4754
rootstocks
characteristics 1915
propagation, tissue culture 6485
winter hardiness 2704
species, winter hardiness 3994
tissue culture, organogenesis 4629
weed control 6070
winter hardiness, assessment 1918
***Prunus besseyi,*** as rootstocks, peaches 8539
***Prunus bokhariensis,*** seeds, composition 6899
***Prunus davidiana,*** as rootstocks, peaches 1989
***Prunus laurocerasus***
leaves, physiology 5073
nectar 3620
***Prunus ledebouriana,*** winter hardiness, assessment 1918
***Prunus* necrotic ringspot virus,** peaches 4726
***Prunus nepalensis,*** fruits, development, assessment 7333
***Prunus padus,*** wild plants, utilization 8624
***Prunus pedunculata,*** wild plants, utilization, ornamental plants 1659
***Prunus serrulata,*** cuttings, cultural methods 6116

***Prunus spinosa,*** leaves, composition 8168
***Prunus tenella,*** tissue culture, propagation, meristems 4439
***Prunus ussuriensis,*** frost, resistance, assessment 2704
***Psacalium,*** plant, composition 3032
***Psacalium decompositum,*** plant, composition 3032
***Psacalium peltatum,*** plant, composition 3032
***Psacalium sinuatum,*** plant, composition 3032
***Psathyrella,*** composition 1094
***Pseudocercospora purpurea,*** avocados 2475-2476
***Pseudocercosporella capsellae,*** Chinese cabbages 6631
**Pseudococcidae**
grapes 5607
ornamental plants 8948
***Pseudococcus longispinus***
*Cordyline fruticosa* 4387
*Dieffenbachia maculata* 4387
pineapples 7093
***Pseudococcus maritimus,*** grapes 8640
***Pseudogynoxys cunninghamii,*** plant, composition 610
***Pseudomonas***
cabbages 6634
*Capsicum* 7731
cherries 4718
control
of fungi, apples 6443
of *Penicillium expansum,* apples 7273
of *Rhizoctonia, Phaseolus vulgaris* 5758
onions 194
peaches 5492
populations
rhizosphere
*Phaseolus vulgaris* 5758
vegetables 4824
***Pseudomonas caryophylli,*** carnations 6772
***Pseudomonas cichorii***
*Ficus lyrata* 4397-4398
*Gerbera* 5994
lettuces 1442
*Ocimum basilicum* 4459
***Pseudomonas corrugata,*** tomatoes 2915, 6738
***Pseudomonas fluorescens***
control, of *Pseudomonas,* strawberries 4769
temperate fruits 5416
***Pseudomonas gladioli* pv. *gladioli,*** *Gladiolus* 6772
***Pseudomonas putida***
control, of *Fusarium oxysporum* f.sp. *cucumerinum,* apples 7603
temperate fruits 5416
utilization, fertilizers, apples 7235
***Pseudomonas solanacearum***
aubergines 8864
strawberries 5565
tomatoes 5868, 6731
***Pseudomonas syringae***
apples 1921
apricots 3992
coffee 1831, 1834
control, of *Pseudomonas,* strawberries 4769
*Magnolia* 6772
plums 4019
temperate fruits 7206
***Pseudomonas syringae* pv. *avellanae,*** hazelnuts 6480
***Pseudomonas syringae* pv. *delphinii,*** *Delphinium* 6772
***Pseudomonas syringae* pv. *lachrymans,*** cucumbers 1463, 5706, 6652
***Pseudomonas syringae* pv. *mori,*** mulberries 2667
***Pseudomonas syringae* pv. *morsprunorum,*** stone fruits 5419
***Pseudomonas syringae* pv. *persicae,*** stone fruits 7210
***Pseudomonas syringae* pv. *phaseolicola,*** *Phaseolus vulgaris* 4202, 5756, 7742
***Pseudomonas syringae* pv. *savastanoi,*** olives 4558
***Pseudomonas syringae* pv. *syringae,*** apples 8483
avocados 2475
pome fruits 5467
stone fruits 5419, 7210
temperate fruits 5416
***Pseudomonas syringae* pv. *tagetis,*** Jerusalem artichokes 2812
***Pseudomonas syringae* pv. *tomato,*** tomatoes 1536, 2915-2916, 3487, 6738
***Pseudomonas tolaasii,*** mushrooms 4339
***Pseudomonas viridiflava,*** tomatoes 5910
***Pseudomonas woodsii,*** carnations 6772
***Pseudoperonospora cubensis***
cucumbers 5706, 5708, 5723, 6652, 6654-6655, 6657, 7580, 7604, 8742
Cucurbitaceae 1473, 5738
melons 4187
***Pseudopeziza tracheiphila,*** grapes 5598, 8641-8642
***Pseudotheraptus wayi,*** *Macadamia* 1813
***Psidium*** (*see also* Guavas)
***Psila rosae***
carrots 2927, 4132, 7802, 8922-8925
Umbelliferae, reviews 7801
***Psilocybe,*** composition 1094
***Psilocybe semilanceata,*** composition 1094
***Psittacula himalayana,*** temperate fruits 8451
***Psittacula krameri,*** pawpaws 1844
***Psophocarpus tetragonolobus***
cultivars
assessment, Japan 4272, 7699
characteristics, Japan 189
subtropics 7699
growth regulators, gibberellins, composition 279
nutrition
nitrogen 3462
phosphorus 4271
pods, composition 8835, 8837
roots, nodulation 3462, 4271
seeds
composition 279, 3461, 8835
development
biochemistry 8834
physiology 8837
germination, biochemistry 1516
size, position 5835
treatment 946
tubers, composition 6698, 8833
***Psychotria adenophylla,*** leaves, composition 533
***Psychotria griffithii,*** plant, composition 5156
***Psychotria ipecacuanha*** (*see Cephaelis ipecacuanha*)
***Psychotria rostrata,*** plant, composition 5156
***Psychotria rubra,*** plant, composition 6160
***Pterandrus colae,*** *Cola nitida* 2554
***Pteridium aquilinum,*** tissue culture, propagation, responses 3591
***Pteris,*** spores, germination 3587
***Pteris cretica,*** tissue culture, propagation, responses 3591
***Pteris henryi,*** tissue culture, propagation, responses 3591
***Pteris vittata,*** tissue culture, propagation, techniques 3592
***Pterocarya stenoptera,*** shoots, development, defoliation 4424
***Pterocaulon purpurascens,*** plant, composition 1766
***Pteronia incana,*** plant, composition 5131
***Pterospermum heyneanum,*** plant, composition 611
***Pterostylis,*** mycorrhizas 4405, 9017
***Puccinia***
lawns and turf 5048
sugarcane 8387
***Puccinia brachypodii,*** lawns and turf 2963, 4384
***Puccinia brachypodii* var. *poae-nemoralis,*** lawns and turf 7883
***Puccinia coronata,*** lawns and turf 1020, 2962, 2964, 4382, 7882, 7884-7885
***Puccinia graminis,*** lawns and turf 1020, 2961-2963
***Puccinia helianthi,*** Jerusalem artichokes × sunflowers 2814
***Puccinia horiana,*** chrysanthemums 1566
***Puccinia melanocephala,*** sugarcane 1853, 1855, 1866, 6327, 8325
***Puccinia menthae***
*Mentha arvensis* × *Mentha piperita* 4457
*Mentha piperita* 4458
***Puccinia poae-nemoralis,*** lawns and turf 2961
***Pueraria lobata***
plant, composition 2422, 5216
roots, composition 8098
***Pueraria phaseoloides***
as green manures
*Areca* 9305
coconuts 8260
as weeds, *Hevea* 8314
**Puerto Rico,** sugarcane, economics 9379
***Pulsatilla alpina,*** plant, composition 3793
***Pulvinaria innumerabilis,*** grapes 8640
***Pulvinaria vitis,*** grapes 6568, 8646
**Pumice**
utilization
growing media
*Gerbera* 5993
strawberries 2735
**Pummelos**
cultivars
characteristics, Japan 44
diseases 44
fruits
aroma, biochemistry 9277
composition 3838, 3850
leaves, composition 8168
storage
diseases 1808, 8207
packing 1808
treatment 8207
wraps 8207
**Pumpkins**
cultivars, characteristics, USSR 7583
cultural methods, USA 7574
diseases, *Sclerotinia sclerotiorum* 5730
fruits, composition 3919, 4830
growth regulators, GA, responses 5730
intercropping, maize 5726
nutrition
calcium 5730
nitrogen 5726
roots, development, growth regulators 7610
seeds
composition 1466
cytology 1466
weed control 5718
***Punica*** (*see also* Pomegranates)
**Purines**
composition
cocoa 1692
*Ilex* 2392
*Ilex paraguariensis* 1692
tea 1692
metabolism, biochemistry, *Ophrys lutea* 5066
***Putranjiva roxburghii,*** seedlings, development, morphology 501
***Pycnonotus cafer,*** temperate fruits 8451
***Pycnonotus leucogenys,*** temperate fruits 8451
***Pycnostysanus azaleae,*** *Rhododendron* 1042
***Pygmaeopremna herbacea,*** roots, composition 3794, 5217
***Pyracantha***
cultivars
characteristics, USA 491
diseases 491
reports, German Federal Republic 3216
***Pyracantha angustifolia,*** planting stock, production, containers 2268
***Pyrenochaeta lycopersici,*** tomatoes 6393, 7776, 8900
***Pyrenochaeta terrestris,*** onions 194, 8680-8681
***Pyrenopeziza brassicae,*** Brussels sprouts 4159

***Pyrenophora dictyoides***, lawns and turf 1020, 2962, 2964, 7882, 7884-7885
**Pyrethrins**
composition, *Tanacetum cinerariifolium* 1084, 8002
production, cultural methods, *Tanacetum cinerariifolium* 9094
**Pyrethrum** (*see Tanacetum cinerariifolium*)
***Pyrilla perpusilla***, sugarcane 6345, 8341, 9398
***Pyrostegia venusta***, cuttings, physiology 7915
***Pyrrhula pyrrhula***, plums 5524
***Pyrrosia lingua***, plant, composition 612
***Pyrus*** (*see also* Pears)
***Pyrus amygdaliformis***, as rootstocks, pears 2003
***Pyrus aromatica***, cultivars, diseases 5503
***Pyrus betulifolia***, cultivars, diseases 5503
***Pyrus bretschneideri***, as rootstocks, pears 1933
***Pyrus calleryana***
cultivars, diseases 5503
shade, measurement 461
wounds, healing 1036
***Pyrus caucasica***, cultivars, diseases 5503
***Pyrus cordata***, as rootstocks, pears 2003
***Pyrus dimorphophylla***, as rootstocks, pears 2003
***Pyrus pashia***, as rootstocks, pears 4745
***Pyrus pyraster***, cultivars, diseases 5503
***Pyrus pyrifolia***
buds, dormancy 1347
cultivars
assessment, Switzerland 2685
characteristics
Japan 44
Korea Republic 5507
diseases 44, 5503, 5507
mechanical properties 5515
tissue culture 2690
cuttings, treatment 8560
flowers, initiation, seasons 808
fruits, mechanical properties, assessment 5515
grafting, techniques, assessment 804, 1347
nutrition, boron 5510
pests, control, India 4747
reports, New Zealand 734
seeds, dormancy 1347
tissue culture, propagation, meristems 2690
***Pyrus serotina*** (*see Pyrus pyrifolia*)
***Pyrus ussuriensis***, cultivars, assessment, Switzerland 2685
***Pythium***
apples 6443
*Capsicum* 5856
lettuces 5675
onions 194
ornamental plants 5948
peas 1504
pot plants 5947
roses 475
***Pythium aphanidermatum***, *Catharanthus roseus* 9134
***Pythium butleri***, onions 8683
***Pythium paroecandrum***, *Phaseolus vulgaris* 5757
***Pythium splendens***, *Begonia* 1596
***Pythium ultimum***
beetroots 5647
carrots 8921
cucumbers 1474
peas 7672
*Pelargonium hortorum* 1578
tomatoes 8921
***Pythium vexans***, *Elettaria cardamomum* 1668
***Quadraspidiotus ostreaeformis***, hazelnuts 8527
***Quadraspidiotus perniciosus***
almonds 8454
apples 8505
pears 7305
stone fruits 7305, 7307
***Quamoclit vulgaris***, as weeds, *Gladiolus* 8973
***Quassia amara***, plant, composition 613, 1166
***Quassia glauca*** (*see Simarouba glauca*)
***Quassia multiflora***, plant, composition 1767
**Quassinoids**
characterization
*Ailanthus altissima* 2284
*Brucea antidysenterica* 8031
*Quassia amara* 1166
composition
*Brucea antidysenterica* 9126
*Brucea javanica* 8032
*Picrasma quassioides* 2324
*Simarouba amara* 5227
production, tissue culture, *Picrasma quassioides* 6973
***Quercus***
cultivars, lists 3004
cuttings, sources, etiolation 1032
landscaping, urban sites 6066
***Quercus alba***
cultivars, lists 1055
planting stock, treatment 492
***Quercus dentata***, cultivars, lists 1055
***Quercus frainetto***, cultivars, lists 1055
***Quercus ilex***, cultivars, lists 1055
***Quercus macrocarpa***, cultivars, lists 1055
***Quercus petraea***, cultivars, lists 1055
***Quercus pubescens***, cultivars, lists 1055
***Quercus pyrenaica***, cultivars, lists 1055
***Quercus robur***
landscaping, roadsides 457
plant residues, utilization, culture media 2262
***Quercus rubra***
leaves, physiology 5073
planting stock, treatment 492
***Quercus virginiana***, planting stock, production, containers 2266
***Quillaja saponaria***, plant, composition 5218
**Quinces**
as rootstocks
pears 805, 2003, 2006, 2691
*Sorbus* 497
cultivars
assessment, USSR 819
growth 4022
winter hardiness 2701
disorders, bitter pit 819
frost, resistance, cultivars 2701
fruits
composition 3293, 8590
flavour, biochemistry 4023
set, environment 4756
planting, spacing 122
production
Argentina 7204
France 1270
seeds, development, cytology 4755
tissue culture, propagation, micropropagation 1931
**Quinones**
biochemistry, peas 5654
characterization, *Salvia texana* 6983
composition
*Asphodeline anatolica* 6915
*Cassia javanica* 8038
*Cassia podocarpa* 6155
*Citrus nobilis* 1199
*Cratoxylum pruniflorum* 1729
*Crocosmia crocosmiiflora* 1608
*Croton laccifer* 2373
*Dalbergia candenatensis* 1123
*Diospyros* 6191
*Diospyros nicaraguensis* 6941
*Diospyros verrucosa* 2381
*Embelia ribes* 6194
*Galium articulatum* 8070
*Galium fagetorum* 3761
*Rhamnus triquerta* 6224
*Rheum officinale* 2425
*Rheum palmatum* 8103
walnuts 3295
determination, spinach 1425
metabolism
copper, spinach 7498
light, *Rhamnus purshianus* 3797
physiology, *Hibiscus rosa-sinensis* 1652
**Quinones** *cont.*
metabolism *cont.*
tissue culture
*Rhamnus purshianus* 3797
*Rheum palmatum* × *Rheum coreanum* 3798
production, tissue culture, *Rhamnus purshianus* 8102
responses, *Lilium longiflorum* 7868
taxonomy, *Aloe nyeriensis* 433
***Rabdosia*** (*see Plectranthus*)
***Radermachera sinica***
cultural methods, pot plants 8996
planting stock, production, containers 5063
**Radionuclides**, composition, horticultural crops 1240
**Radishes**
allelopathy 6333
books, USSR 1245
cultivars
assessment
Denmark 1455
Netherlands 6635
USSR 2834
characteristics
Hungary 887
USSR 2111, 2787
mechanical harvesting 2110
morphology 2110
pests 7527
diseases
*Albugo candida* 6637
*Alternaria raphani* 5700
*Aphanomyces raphani* 6637
*Peronospora parasitica* 6637
growing media, microorganisms 5700
growth regulators
brassinolide, responses 7573
cytokinins, metabolism 1460
dimethylsulphoxide, responses 6638
PPG-1721, responses 7572
herbicides, injuries 882
insecticides, residues 3934
intercropping
cabbages 4155
cauliflowers 4155
irrigation
requirements, determination 8737
responses 888
systems 888
leaves
composition 4173
physiology 1457
senescence 4886
mulching, responses 8728
nutrition
boron 7571
nitrogen 244, 888, 7569-7570, 8737
phosphorus 7569
potassium 7569
selenium 7505
pests
control, Switzerland 4104
*Delia radicum* 889, 8728
*Lipaphis erysimi* 5701
*Pratylenchus penetrans* 8738
*Scutigerella immaculata* 4105
photosynthesis
cadmium 243
light 1458, 7567
pollution 7568
research 1459
temperature 7567
phototropism 1461
plant
composition 2114, 5702
development
bacteria 4824
mathematical models 6384
pollution
acids 1456
chromium 4171
industrial wastes 2113
mercury 7517
ozone 7568
phthalates 2836
uranium 8663
protected cultivation
carbon dioxide 3351, 8668
cultivars 6635

**Radishes** *cont.*
protected cultivation *cont.*
light 7567
spacing 241, 4885
systems, plastic film 8728
temperature 7567
reports, German Federal Republic 15
rhizosphere, microorganisms 4824
roots
composition 184, 3391, 4173, 5628
development
light 1458
pollution 1456
salinity 4172
spacing 7566
quality, assessment 43
salinity, responses 4098
seedlings
development
ascorbic acid 2112
biochemistry 3390, 4098
cadmium 243
growth regulators 1460, 2112
seeds
germination
biochemistry 8662
light 6636
salinity 8662
temperature 3377, 6636
production, cultural methods 4887, 5703, 6639
sowing
site preparation 7570
sowing date 241
spacing 4885, 7566
treatment 880, 2112, 5700, 7444, 7572
soil amendments 242, 5699, 7505
translocation, biochemistry 2835
water relations, physiology 7191
weed control 882, 7450
***Radopholus similis***
bananas 6289, 6742, 8236-8237
*Piper nigrum* 9059
**Rambutans**
cultivars, characteristics, Australia 8368
marketing, Europe 7138
seeds, quality, assessment 5299
storage
biochemistry 2532
temperature 2532
**Ramie** (*see Boehmeria nivea)*
***Ramularia levistici, Levisticum officinale*** 8078
***Randia,*** fruits, composition 3122
***Randia dumetorum,*** fruits, composition 3026
***Randia ruiziana,*** plant, composition 4517
**Ranunculaceae,** taxonomy, chemotaxonomy 739
***Ranunculus***
diseases, fungi 4366
taxonomy, chemotaxonomy 739
***Ranunculus asiaticus***
cultural methods, pot plants 1012
diseases, *Erysiphe nitida* 8987
***Ranunculus glutinis,*** plant, composition 6219
***Ranunculus repens,*** as weeds, strawberries 4777
***Raphanus*** (*see also* Radishes)
***Raphanus raphanistrum,*** as weeds, spinach 1424
***Raphanus sativus* var. *oleifera,*** as cover crops, grapes 4076
***Raphia,*** reports, Nigeria 8384
***Raphia farinifera,*** plant, composition 6154
***Raphimetopus ablutellus,*** sugarcane 9395
**Raspberries**
buds, dormancy, position 3305
cover crops, responses 3304
cultivars
assessment
Bulgaria 2713
German Federal Republic 129
Hungary 1369
Italy 4760
Netherlands 7345
Norway 4037
Poland 823

**Raspberries** *cont.*
cultivars *cont.*
assessment *cont.*
USA 4759
characteristics
Bulgaria 4040, 8600
Canada 7347
Italy 5542
Norway 8601
USA 4039
diseases 823, 2711, 7347, 8601, 8604
mechanical harvesting 5543
mechanical properties 5543
nutrition 2027
pests 822, 2711, 7339, 7347
processing 4040, 4760, 7347
propagation 824
storage 4038
winter hardiness 2026, 2712, 4037, 7346, 8599
yields 2026-2027
cultural methods, Italy 5541
cuttings 824
diseases
*Phragmidium violaceum* 1360
*Phytophthora cryptogea* 8604
economics, Denmark 1364
frost
injuries 7151
resistance, cultivars 2026, 7346, 8601
fruits
mechanical properties, assessment 5543
quality, gamma radiation 2028
ripening, growth regulators 7348
set, pollination 8605
size, pollination 8605
growth regulators
chlormequat
injuries 7335
responses 7348
daminozide, responses 130
ethephon, responses 7348
harvesting
harvesting date, protected cultivation 8602
techniques, mechanical harvesting 1364, 2705, 3306
herbicides
injuries 5561
tolerance 5561
insecticides, application 7351
leaves, composition 40
nutrition 7349
manures 2027
nitrogen 2027, 7350
phosphorus 2027, 7350
potassium 2027, 7350
pests
Aphididae 7351
insects 7334
Nematoda 4761
*Pratylenchus penetrans* 4762
planting, spacing 825
planting stock, production, techniques 1363
pollination, pollinators, insects 8605
pollution, radioactive fallout 6510
processing
cultivars 4040, 4760, 7347
quality, nutrition 7350
production, Chile 7204
protected cultivation, systems, plastic tunnels 8602
pruning, systems, mechanical methods 4041
reports
Cyprus 731
German Federal Republic 14, 16, 732, 3214-3216
New Zealand 734
USA 3219
research
Chile 2581
France 3229
shoots, anatomy 7352
soil amendments 7349
soil compaction, responses 4042
soil management, systems 3304, 8603

**Raspberries** *cont.*
solar radiation, injuries 4759
storage
cultivars 4038
diseases 2028
treatment 2028
surveys, Chile 3298
tissue culture
culture media 2714
propagation
micropropagation 740
techniques 2714
storage 2017
training, systems 825, 4041
weed control 3304, 4032, 8603
winter hardiness, cultivars 2712-2713, 8599
**Rats,** sugarcane 8325, 8387
***Rauvolfia semperflorens,*** plant, composition 3795
***Rauvolfia serpentina***
cultivars, biochemistry 5219
cultural methods, India 9099
plant
biochemistry, growth regulators 4518
composition 1167
development, growth regulators 4518
roots
composition 614
development, growth regulators 2423
tissue culture
biochemistry 3796, 6868
culture media 3105, 8100
metabolites, production 6220, 8099, 9195
organogenesis 8099
***Rauvolfia tetraphylla***
harvesting, harvesting date, assessment 6222
leaves, development, seasonal variation 6222
roots, development, seasonal variation 6222
seeds, storage, systems 6221
***Rauvolfia vomitoria,*** cultural methods, Cuba 6223
***Rauwolfia*** (*see Rauvolfia)*
***Rawolfia*** (*see Rauvolfia)*
***Rechsteineria*** (*see Sinningia)*
**Red clover vein mosaic virus,** peas 2137
**Red currants**
cultivars
assessment
Poland 7343
Yugoslavia 6514
characteristics, Hungary 2023
diseases 4031
pests 4031, 7339
propagation 6515
tissue culture 7342
cuttings
rooting
cultivars 2707
seasonal variation 6515
harvesting
harvesting date, protected cultivation 8602
techniques, mechanical harvesting 2024
herbicides, residues 8426
nutrition
nitrogen 7343
phosphorus 7343
potassium 7343
planting, spacing 7343
pollution, radioactive fallout 6510
protected cultivation, systems, plastic tunnels 8602
reports, German Federal Republic 732, 3916
surveys, Chile 3298
tissue culture, propagation, meristems 7342
weed control 4032, 4773
**Refuse compost**
utilization
control, diseases, *Phaseolus vulgaris* 5758

**Refuse compost** *cont.*
utilization *cont.*
fertilizers, vegetables 4825
growing media
*Corchorus olitorius* 8709
horticultural crops 7177
spinach beets 8709
**Regeneration**
pruning
coffee 1220-1221
olives 2538
replanting, cocoa 6297, 8252-8254
topworking
chestnuts 1980
grapes 7395
**Replanting**
cultivars, *Piper nigrum* 9058
cultural methods
avocados 2468
coffee 8269-8270, 8274-8275
peaches 1991
tea 8346-8347, 8352
diseases, fruit crops 7396
disorders, grapes 6549
economics
fruit crops 5387
tea 8346
**Reports** (*see also* Yearbooks)
Australia
Board of the Botanic Gardens of Adelaide and State Herbarium, South Australia 8382
New South Wales Department of Agriculture 11, 8385
Berlin, Technische Universität, Fachgebiet Obstbau 2585
Canada
Brace Research Institute 5380
Kentville Research Station 12
Colombia, Instituto Colombiano Agropecuario 3213
Cyprus, Agricultural Research Institute 731
France
Centre Interregional de Recherches et d'Expérimentation de la Fraise 13
Institut de Recherches sur le Caoutchouc 8383
Institut de Recherches sur les Fruits et Agrumes 1890
German Federal Republic
Biologische Bundesanstalt für Land- und Forstwirtschaft 14
Bundesforschungsanstalt für Gartenbauliche Pflanzenzüchtung in Ahrensburg 15
Forschungsanstalt für Weinbau, Gartenbau, Getränketechnologie und Landespflege, Geisenheim am Rhein 732
Institut für Obstbau und Gemüsebau, Rheinische Friedrich-Wilhelms-Universität Bonn 16, 3215
Kuratorium für Technik und Bauwesen in der Landwirtschaft 733, 7133
Landes- Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt/Weinstrasse 3214
Landespflanzenschutzdienst Rheinland-Pfalz 17
Landwirtschaftskammer Weser-Ems 3216
Staatliche Lehr- und Versuchsanstalt für Wein- und Obstbau, Weinsberg 3916
India
Associated Agricultural Development Foundation 18
Central Plantation Crops Research Institute 7134
University of Agricultural Sciences, Hebbal, Bangalore 4619
Irish Republic, An Foras Talúntais 3212
Japan, Institute of Agricultural Machinery 2586
**Reports** *cont.*
Malaysia, Rubber Research Institute of Malaysia 1891
Netherlands, Proefstation voor de Bloemisterij 3917
New Zealand
Levin Horticultural Research Centre 1892
Ministry of Agriculture and Fisheries 734
Nigeria, Nigerian Institute for Oil Palm Research 8384
Norway, State Seed Testing Station 7135
Spain
Centro de Edafología y Biología Aplicada 3217
Estación Experimental del Zaidín 3218
Sri Lanka, Tea Research Institute 8376
Taiwan, Institute of Botany, Academia Sinica 7136
UK
AFRC Institute of Horticultural Research 8386
Land Resources Development Centre 1894
West of Scotland Agricultural College 1893
USA
Hawaiian Sugar Planters' Association 8387
Michigan State Horticultural Society 3219
Ohio State University, Department of Agricultural Engineering 3918
***Reseda lutea,*** as weeds, onions 1412
**Resins**
biochemistry
*Araucaria araucana* 7922
*Boswellia neglecta* 7969
*Boswellia serrata* 7971
*Commiphora* 7969, 7974
*Commiphora mukul* 2369
*Ferula* 579
*Ipomoea orizabensis* 1143
*Myroxylon balsamum* 1675
biosynthesis, *Parthenium argentatum* 3823
composition
*Ardisia solanacea* 6176
*Canarium* 1093
*Commiphora wightii* 565
Dipterocarpaceae 1093
*Euphorbia* 639
*Parthenium argentatum* 5245
*Sanguisorba minor* 618
*Synadenium grantii* 639
exudation, mangoes 702
production, processing, *Asclepias syriaca* 636
**Respiration**
alcohols, *Ruta graveolens* 3799
ammonium, *Ruta graveolens* 3799
arsenic, avocados 3123
bacteria, tomatoes 5892
biochemistry
Araceae 5949
grapefruits 4549
peas 7680
tomatoes 349
calcium, avocados 3123
carbon dioxide, carnations 3541
cytotoxic compounds, onions 6588
dormancy, onions 2095
growth regulators, lawns and turf 6824
light, *Codiaeum variegatum* 6051
measurement, horticultural crops 5409
nutrition, lawns and turf 6824
ozone, *Phaseolus vulgaris* 5752
pests, tomatoes 4296
photorespiration
lemons 5278
peas 8824
spinach 2810
physiology
apples 8460
cherries 3270
cucumbers 5712
greenhouse crops 5390
**Respiration** *cont.*
physiology *cont.*
*Pelargonium zonale* 8960
tomatoes 8904
potassium, *Phaseolus vulgaris* 3417
research, Jerusalem artichokes 2815
ripening
*Annona* 8232
feijoas 3857
seasonal variation, apples 8515
storage
apples 80
cherries 1317
cut flowers 8673
grapes 7440
tomatoes 4329
vegetables 8673
temperature
grapefruits 4549
lawns and turf 6824
peas 8806
*Saintpaulia* 1002
tea 1873
tomatoes 7789
tissue culture
carnations 3541
*Petunia* 390
*Ruta graveolens* 3799
water relations, apples 8509
***Resseliella theobaldi,*** raspberries 129, 2711
**Reunion**
grapes, cultural methods 21
*Litchi,* cultivars 661
**Reviews**
alkaloids
composition, plants 1092, 2605
production, tissue culture, plants 3067
translocation, *Catharanthus roseus* 3062
aluminium, toxicity, plants 8419
amino acids, biosynthesis, plants 6411
*Annona,* propagation, techniques 678
biological control, Nematoda, plants 7184
*Botrytis, Vicia faba* 8792
buds, dormancy, physiology, woody plants 1904
calcium, physiology 2604
carnations, cut flowers, physiology 5983
carobs, production, Italy 6242
*Citrus*
production, Italy 1191
rootstocks
dwarfing 3828
high density planting 3828
coconuts, intercropping 690
coffee, cultural methods, Trinidad and Tobago 1829
coumarins, composition, plants 9106
cut flowers, senescence 2279
cuttings
sources
cultural methods, plants 1255, 1258
etiolation, plants 1256
cytology, plants 1913
*Dacus oleae,* olives 5288
dormancy 1902
growth regulators, woody plants 1905
nomenclature 1901
enzyme activity, physiology, plants 8433
essential oil plants, medicinal properties 508
essential oils
composition
*Artemisia vestita* 3666
black currants 3666
*Cymbopogon martinii* 3666
*Juniperus* 3667
*Lavandula angustifolia* × *Lavandula latifolia* 3667
*Lavandula latifolia* 3666
*Trigonella foenum-graecum* 3666

**Reviews** *cont.*
fertilizers
application
foliar application
sugarcane 9392
tropical crops 3171
irrigation, temperate fruits 6416
flavonoids, composition, medicinal plants 6162
forcing, *Lilium longiflorum* 1604
fruits
cracking, *Litchi* 8213
development, growth regulators, temperate fruits 3230
quality, handling, bananas 684
senescence, horticultural crops 2171
size
cultural methods, oranges 8208
environment, oranges 8208
geotropism, plants 4655
grading, techniques, horticultural crops 42
growing media, horticultural crops 8417
growth regulators 1906
auxins, tissue culture, horticultural crops 1910
brassinosteroids, composition, plants 7190
cytokinins, tissue culture, horticultural crops 1897, 1909
*Hevea*, diseases 1849
*Hippophae rhamnoides* 6533
horticultural crops, Mauritius 1895
*Ilex*, plant, composition 2392
integrated control
diseases, apples 1949
pests, apples 1949
irrigation
fertilizers, application, temperate fruits 6416
systems, grapes 4081
lactones, composition, Solanaceae 9105
*Malus*, apomixis 3947
mangoes, leaves, composition 8289
medicinal plants 1694, 4470
Mexico 1703
Nigeria 1693
research 8006
Thailand 1698
*Microcyclus ulei, Hevea* 8318
mutants, induction, tissue culture, horticultural crops 1911
mycorrhizas, plants 1262
*Myrtus communis*, plant, composition 594
nectarines, cuttings, cultural methods 8536
Nematoda
grapes 7429
plants 7183-7185
roses 6853
sugarcane 8334-8335
nitrogen
fixation, *Vicia faba* 2866
nutrition, sugarcane 715, 9392
olives, cultivars, characteristics, Spain 664
ornamental plants, breeding 3534
oxalates, composition, horticultural crops 3935
packing, techniques, apples 1308
*Parthenium argentatum*, production, Mediterranean 8158
passion fruits, cultural methods, Italy 8222
peaches, cuttings, cultural methods 8536
pesticides, injuries, horticultural crops 5403
*Piper*, plant, composition 503
*Pistacia lentiscus* 2455
plant, development, apical dominance 1903
planting stock, overwintering, woody plants 9025
*Plasmopara viticola*, grapes 1393
potassium, nutrition, horticultural crops 8421
protected cultivation, carbon dioxide, greenhouse crops 31

**Reviews** *cont.*
pruning, systems, root pruning, grapes 1382
*Psila rosae*, Umbelliferae 7801
seedlings
planting, mechanical methods, horticultural crops 8391
production, containers, horticultural crops 8391
seeds
dormancy, physiology, tomatoes 1527
production, cultural methods, carrots 8927
quality
assessment, horticultural crops 8390
growth regulators, vegetables 1403
senescence
biochemistry, horticultural crops 2171
physiology
cut flowers 2279
horticultural crops 2502
vegetables 2085
*Simmondsia chinensis*, production, Mediterranean 8158
soil sickness, peaches 1991
soilless culture, systems, nutrient film techniques, horticultural crops 6382
steroids
composition
horticultural crops 39
Solanaceae 9105
stone fruits, diseases, bacteria 7210
storage
diseases, pawpaws 5329
disorders, vegetables 1407
physiology
horticultural crops 2502
vegetables 2085
quality, cultural methods, fruit crops 2459
systems
controlled atmosphere storage
apples 1302
pome fruits 1305
wraps, horticultural crops 6414
sugarcane, pests, control, India 7103
*Tanacetum parthenium*, medicinal properties 6993
tea
pesticides, residues 9405
shoots, development 3200
*Terminalia arjuna*, plant, composition 2445
terpenoids
composition, pesticidal plants 9082
production, tissue culture, plants 2606
tissue culture
metabolites, production, plants 8432
organogenesis, horticultural crops 4629
propagation
micropropagation
horticultural crops 4626, 5029
ornamental bulbs 5027
ornamental plants 4998
temperate fruits 4662
vegetables 4821
woody plants 4627, 5071
techniques
horticultural crops 3922, 4625
pineapples 2559
tropical crops 3867
responses
growth regulators, horticultural crops 1897, 1908-1910
light, plants 1257
techniques
horticultural crops 5384
medicinal plants 3042
tomatoes
disorders 7772
grafting, techniques, assessment 7776

**Reviews** *cont.*
training, systems, pears 2006
Valerianaceae, plant, composition 5152
vegetables, seedlings, production, cultural methods 3350
winter hardiness, physiology, peaches 1996
***Reynoutria sachalinensis***, plant extracts, application, horticultural crops 9093
***Rhamnus alaternus***, parasitic plants, *Viscum cruciatum* 1183
***Rhamnus lycioides***
parasitic plants, *Viscum cruciatum* 1183
plant, composition 8101
***Rhamnus purshianus***
plant, composition 6378
tissue culture, metabolites, production 3797, 8102
***Rhamnus triquerta***, plant, composition 6224
***Rhanterium epapposum***, plant, composition 5132
***Rhaphidophora aurea*** (*see Epipremnum pinnatum*)
***Rhaponticum carthamoides***
rhizomes, composition 3106
roots, composition 3106
***Rhaponticum integrifolium***, plant, composition 1684
***Rhazya stricta***
leaves, composition 615, 9196
roots, composition 6978
***Rheedia acuminata***, characteristics 9409
***Rheum*** (*see also* Rhubarb)
plant, composition 6979-6980
***Rheum coreanum***, plant, composition 6979
***Rheum maximowiczii***, wild plants, edible species 5615
***Rheum officinale***
rhizomes, composition 2424
roots, composition 2425
***Rheum palmatum***
research 6898
rhizomes, composition 8103
***Rheum palmatum* × *Rheum coreanum***, tissue culture, biochemistry 3798
***Rheum rhabarbarum***, research, Italy 6897
***Rhinopetalum*** (*see Fritillaria*)
***Rhipsalidopsis gaertneri***
diseases, *Fusarium oxysporum* 6830
flowers
initiation
growth regulators 2258
photoperiodism 2258
***Rhizobium***
inoculation
peas 4245
*Phaseolus lunatus* 5755
*Phaseolus vulgaris* 2858, 3414, 7631, 8773
*Psophocarpus tetragonolobus* 946, 3462
populations
nodulation
Leguminosae 5397
peas 1514
*Psophocarpus tetragonolobus* 4271
***Rhizobium leguminosarum***
inoculation
peas 4242
*Phaseolus vulgaris* 4214-4215, 4217
*Vicia faba* 4234
populations, nodulation, peas 928, 2873, 4241, 4244
***Rhizobium phaseoli***
inoculation, *Phaseolus vulgaris* 4216, 4904, 8770-8771
populations
nodulation, *Phaseolus vulgaris* 4210, 7628
rhizosphere, *Phaseolus vulgaris* 4211, 7629
***Rhizoctonia***
*Brassica nigra* 1057
mycorrhizas
*Calypso bulbosa* 9019
*Pterostylis* 4405
peas 1505
*Phaseolus vulgaris* 5758

***Rhizoctonia*** *cont.*
pot plants 5947
***Rhizoctonia anaticdiula,*** mycorrhizas, *Calypso bulbosa* 9019
***Rhizoctonia carotae,*** carrots 8930
***Rhizoctonia solani***
apples 6443
beetroots 5647
durians 5358
*Impatiens* 6794
lawns and turf 1020, 2962, 2964, 4382, 7882, 7884-7885
*Nephrolepis exaltata* 442, 9006
*Ocimum* 6393
onions 194
ornamental plants 5948
*Phaseolus* 6393
*Phaseolus vulgaris* 1489, 3411
strawberries 5558
**Rhizomes**
dormancy, physiology, *Costus speciosus* 8048
morphology, bamboo shoots 6761
production
cultural methods
*Costus speciosus* 2372
*Polianthes tuberosa* 2959
protected cultivation, *Alstroemeria* 7877
quality, storage, *Zingiber officinale* 7964
sprouting
growth regulators
*Costus speciosus* 8048
*Polianthes tuberosa* 2238
storage, duration, *Achimenes grandiflora* 3574
treatment
fungicides, *Curcuma longa* 1667
gamma radiation, *Iris kamaonensis* 2228
growth regulators
*Achimenes grandiflora* 3574
*Polianthes tuberosa* 2238
*Zantedeschia* 417
water, *Curcuma longa* 1667
***Rhizopus***
*Asparagus* 2881
grapes 1388
peas 1504
strawberries 1325
***Rhizopus artocarpi,*** jackfruits 4565
***Rhizopus oryzae,*** bananas 7064
***Rhizopus stolonifer***
apples 3976
as weeds, *Pleurotus sajor-caju* 1559
avocados 2476
*Capsicum* 6712, 7731
dates 8209
plums 1355
raspberries 7347
*Tagetes erecta* 1592
**Rhizosphere**
biology
antibiotics
*Lagenaria siceraria* 4277
okras 4277
nutrition
*Lagenaria siceraria* 4277
okras 4277
microorganisms
apples 7235
okras 5842
*Phaseolus vulgaris* 4211
sugarcane 4594
vegetables 4824
***Rhodiola crassipes,*** roots, composition 4519
***Rhodiola rosea,*** cultural methods, USSR 1768
***Rhododendron***
cultivars
assessment, Czechoslovakia 3630
chilling requirement 6093
herbicides 6088
planting, seasons 2990
salinity 2272, 2989
cultural methods
containers 6088
pot plants 2591, 2989-2990, 6093, 7930
***Rhododendron*** *cont.*
cuttings
production, techniques 6087
treatment 3631
diseases
control 6848
*Phytophthora cinnamomi* 6090-6091
*Phytophthora citricola* 6092
*Pycnostysanus azaleae* 1042
disorders, control 6848
fungicides
application 6090
persistence 6091
grading, techniques 5079
growing media, composition 8945
herbicides, injuries 6071, 6088, 9030
hybrids, assessment, UK 471
mycorrhizas 5398
nutrients, requirements, assessment 5547
nutrition
nitrogen 5078
phosphorus 5078
potassium 5078
pests
control 6848
*Datana major* 6849
*Graphocephala fennahi* 1042
*Oligonychus ilicis* 9040
*Otiorhynchus* 6848
*Stephanitis pyrioides* 9041
planting stock, production, containers 1041, 2265, 5070, 5077, 6071, 6842, 8945
protected cultivation, carbon dioxide 2990
reports, German Federal Republic 15, 3216
salinity, tolerance 2272
surfactants, responses 6114
tissue culture
explants, sources 3535
organogenesis 4629
propagation
callus 2273
meristems 3616
responses 5000
techniques 1897
weed control 6071, 9030
***Rhododendron calendulaceum,*** flowers, development, provenance 3632
***Rhododendron catawbiense,*** cuttings, rooting, light 1040
***Rhododendron japonicum,*** cuttings, production, techniques 472
***Rhododendron obtusum***
cultivars, herbicides 1637
cultural methods, containers 6089
growth retardation, growth regulators 4418
herbicides, injuries 1637
nutrition, nitrogen 6089
weed control 3618
***Rhododendron prinophyllum,*** flowers, development, provenance 3632
***Rhoeo spathacea,*** plant, composition 1615
***Rhoicissus danica,*** cuttings, production, techniques 6383
***Rhoicissus rhomboidea*** *(see Cissus rhombifolia)*
**Rhubarb**
cultivars, assessment, USSR 2786, 4279
growing media, composition 1898
herbicides, application 5846
mulching, responses 5846
weed control 5846
***Rhus cotinus*** *(see Cotinus coggygria)*
***Rhus parviflora,*** wild plants, edible species 5415
***Rhus typhina***
leaves, composition 1660
plant, development, assessment 2290
***Rhus verniciflua,*** plant, composition 493
***Ribes*** *(see also* Black currants; Gooseberries; Red currants; White currants)
nurseries, cultural methods 4758
reports, German Federal Republic 3215
***Ribes alpinum,*** breeding, selection 7912
***Ribes aureum,*** plant, composition 1168
***Ribes biebersteinii,*** fruits, composition 4028
***Ribes orientale,*** fruits, composition 4028
***Rigidoporus lignosus, Hevea*** 1849, 8383
**Ringing**
responses
apples 1941, 5446
atemoyas 8230
grapes 6570, 7428, 7438
*Litchi* 5286
*Phaseolus vulgaris* 3413
stone fruits 797
***Robinia pseudoacacia***
diseases, *Nectria cinnabarina* 1631
landscaping
roadsides 457
USSR 4408
leaves, physiology 5073
**Robots**
utilization
harvesting
apples 1303
*Citrus* 4548
tomatoes 352
planting
bedding plants 371
horticultural crops 6381
propagation, sugarcane 8327
**Rockwool**
utilization
growing media
*Capsicum* 7716
chrysanthemums 8954
cucumbers 5713, 7599
*Cymbidium* 451
foliage plants 8997
*Gerbera* 8955
ornamental plants 8944
pot plants 8942
roses 475, 3638
tomatoes 4960, 7752, 7756, 7760, 8885
vegetables 6728
woody plants 7919
soilless culture
*Asparagus* 8839
aubergines 954
chrysanthemums 1568, 8954
cucumbers 5729
fruit crops 6527
greenhouse crops 4101
horticultural crops 8943
tomatoes 5886, 8886, 8888-8889, 8896, 8906
vegetables 8667
**Rodenticidal properties,** *Urginea maritima* 3701
**Romania**
apples, cultivars 3948-3949
*Capsicum,* cultivars 7713
cherries
cultivars 4717, 7281
rootstocks 4718
chicory, economics 6608
essential oil plants, cultural methods 3030
garlic, cultivars 7713
grapes, cultivars 4074, 7380
lettuces, cultivars 7713
*Malva glabra,* cultural methods 8080
medicinal plants, cultural methods 3030
nectarines, cultivars 7294, 7296
*Papaver somniferum,* cultivars 4510
peaches
cultivars 7298
rootstocks 3274
pears, cultivars 4741
*Phaseolus vulgaris,* cultivars 4205
plums, cultivars 6507
tomatoes, cultivars 4947
vegetables, cultivars 7713
**Root parsley** *(see Petroselinum crispum* subsp. *tuberosum)*
**Roots**
biochemistry
cytotoxic compounds, onions 6588, 6590
enzymes, peas 1514

**Roots** *cont.*
biochemistry *cont.*
growth regulators
carrots 4976
peas 2145
light, peas 5828
nutrition, peas 5803
salinity, peas 5803
sugars, peas 944
temperature
carrots 2930
peas 944
trace elements, tomatoes 967
development
alcohols, *Magnolia* 1038
anatomy
*Epidendrum ibaguense* 6835
plums × *Prunus spinosa* 4021
assessment
avocados 5249
bananas 8238
carrots 975
*Clematis* 5086
Cucurbitaceae 5741
*Euphorbia lathyris* 640
grapes 2775
guavas 9348
*Juniperus chinensis* 425
lawns and turf 425
limes 7027
peas 932
*Rubus caesius* 5539
temperate fruits 9026
woody plants 9026
books 727
bacteria, tomatoes 5892
biochemistry
*Petunia* 5999
*Phaseolus vulgaris* 921, 5759
*Syringa vulgaris* 3626
carbon dioxide, tomatoes 5905
cultivars
avocados 5249
blackberries 5539
cytology
carrots 976
*Cucurbita pepo* 1481
diseases, avocados 2486
environment, grapes 1378
flooding
tomatoes 2895
*Vaccinium corymbosum* 134
growth regulators
grapes 4809
lawns and turf 5050
lettuces 878
*Magnolia* 1038
peas 3457, 4931
*Pelargonium* 2210
*Phaseolus vulgaris* 5759
*Quercus* 492
*Rauvolfia serpentina* 2423
vegetables 7610
*Zamia pumila* 1663
harvesting, apples 1963
histology
onions 5644
peas 7674
irrigation
apples 1937
bananas 8238
peaches 3278
watermelons 892, 4181
light
cocoa 9330
peas 4931
radishes 1458
mulching, tea 1871
nutrition
bananas 8238
tea 8355
oxygen, onions 2093
physiology, peas 5806
planting, woody plants 4415
pollution, radishes 1456
pruning, grapes 4805
rootstock scion relationships, apples 1934, 1937, 5437
salinity
peas 1503
radishes 4172

**Roots** *cont.*
development *cont.*
seasonal variation
bananas 9311
*Rauvolfia tetraphylla* 6222
*Vaccinium corymbosum* 826
soil amendments
apples 5461
sugarcane 7102
soil compaction, peas 1506-1507, 5797
soil management
grapes 5583
olives 667
soil temperature, *Vaccinium corymbosum* 826
soil types
avocados 2486, 5258
grapes 2768
soil water, *Phaseolus vulgaris* 2857
soilless culture
tea 8355
tomatoes 8906
spacing, radishes 7566
temperature
*Gladiolus* 3568
planting stock 6842
tomatoes 1535
tissue culture
*Hedera helix* 7926
*Rauvolfia serpentina* 2423
waterlogging, apples 756
injuries
assessment, sour oranges 655
temperature
*Citrus* 4538
container grown plants 2280
*Ixora coccinea* 3643
nodulation
*Cyamopsis tetragonoloba* 2869
peas 928, 1514, 2873, 4241, 4244, 5800, 6688, 7666-7668, 8810
*Phaseolus vulgaris* 1487, 3413, 4210-4211, 4217, 4904, 7628-7631, 8770-8771, 8773, 8775
*Psophocarpus tetragonolobus* 3462
*Vicia faba* 2866, 5773, 6682
quality, assessment, radishes 43
root hairs
biochemistry, peas 3433
development, tomatoes 5892

**Rootstock scion relationships**
biochemistry
cherries 788
*Citrus* 645, 1791
grapes 6542, 7385
peaches 8538
compatibility
grapes 1377, 2752, 3327
oranges 9249
peaches 3274-3275, 8538
plums 8574
rough lemons 9249
Solanaceae 1253
tea 718
diseases
apples 1275, 7222
lemons 3829
peaches 1989
tomatoes 319
disorders
apples 5462
grapefruits 5267
dormancy, apples 6452
flowering, roses 5080
growth
almonds 4664
apples 62, 754-755, 1286, 1932, 1934, 3951, 4688, 5437, 6428, 7219, 7221, 7224, 8457, 8461-8462, 8467
avocados 2465
cherries 784, 1976, 2658
*Citrus* 644
*Citrus limettioides* 5266
grapefruits 5267
grapes 6541-6542
mandarins 5265, 7020
mangoes 9353
oranges 8172, 9250
peaches 794, 1989-1990, 3275

**Rootstock scion relationships** *cont.*
growth *cont.*
pears 1343, 8462
plums 8462, 8575
roses 5080
nutrition
apples 5438, 5440, 5462
cherries 5440
*Citrus* 1194
grapes 154
pears 4745
plums 117
pests
apples 4688
grapes 7387
tomatoes 319
physiology
apples 1934, 3950, 4673, 6466
*Citrus* 644
grapes 2055
oranges 9256
peaches 4732
satsumas 9268
tomatoes 343, 6719
pruning, apples 1286
salinity
avocados 5257
lemons 647
oranges 7028
seasons, cocoa 8247
soil structure, apples 3247
spacing, apples 5444
temperature, peaches 1989
winter hardiness
apples 5439
grapes 6548
peaches 5439
yields
almonds 3232
apples 52, 57, 62, 754-755, 1934-1935, 2623, 4674, 5433, 6428, 7224, 8462, 8467
apricots 2649
cherries 784, 1976, 2658, 4718
*Citrus limettioides* 5266
grapefruits 5267
grapes 7387
mangoes 9353
oranges 3127, 9250, 9256
peaches 794, 1989-1990, 7302
pears 805, 1343, 2003, 8462
plums 8462
tea 718, 3194

***Rorippa silvestris,*** as weeds, strawberries 4772

***Rosa*** (*see also* Roses)
bibliographies 473
cultivars, diseases 1638
cultural methods, USSR 3911
cuttings
treatment 1044
types, summer cuttings 1073
flowers, composition 5133
fruits, composition 1700
harvesting, techniques, mechanical harvesting 7213
plant, composition 40, 2305, 2317
pollen, composition 1639
wild plants, utilization, USSR 6158

***Rosa agrestis,*** fruits, characteristics 1376

***Rosa andegavensis,*** fruits, characteristics 1376

***Rosa beggeriana***
landscaping, USSR 3613
wild plants, utilization, USSR 6225

***Rosa borboniana,*** as rootstocks, roses 3634

***Rosa canina***
as rootstocks, roses 3635
flowers, fragrance, biochemistry 1639
fruits, characteristics 1376
landscaping, USSR 3613
leaves, anatomy 2996
wild plants, utilization, USSR 6225

***Rosa chinensis***
as rootstocks, roses 5080
cuttings, types, winter cuttings 2275

***Rosa corymbifera,*** fruits, characteristics 1376

***Rosa damascena***
flowers, development, cultural methods 2318

***Rosa damascena** cont.*
tissue culture, metabolites, production 5134
***Rosa elliptica,*** fruits, characteristics 1376
***Rosa fedtschenkoana,*** wild plants, utilization, USSR 6225
***Rosa gallica***
plant, composition 4474
tissue culture, biochemistry 6868
***Rosa hugonis,*** flowers, colour, biochemistry 2997
***Rosa iliensis,*** landscaping, USSR 3613
***Rosa kokanica,*** wild plants, utilization, USSR 6225
***Rosa kordesii***
breeding, interspecific hybridization 6094
cuttings, treatment 1044
hybrids
characteristics 6094
diseases 6094
***Rosa laevigata,*** tissue culture, propagation, techniques 6096
***Rosa multiflora***
as rootstocks, roses 5080
cuttings, types, winter cuttings 2275
growing media, composition 4423
mycorrhizas 4423
nutrition 4423
reports, German Federal Republic 15
water relations
mycorrhizas 2277
soil amendments 2277
***Rosa nitida,*** pests, *Meloidogyne hapla* 2995
***Rosa noisettiana,*** cuttings, types, winter cuttings 2275
***Rosa persica* × *Rosa xanthina,*** tissue culture, propagation, techniques 6096
***Rosa polliniana***
tissue culture
propagation
callus 4421
micropropagation 4419
***Rosa roxburghii,*** characteristics 9409
***Rosa rubiginosa***
fruits, characteristics 1376
surveys, Chile 3298
***Rosa rugosa***
flowers, fragrance, biochemistry 1639
landscaping, USSR 4408
***Rosa subcanina,*** fruits, characteristics 1376
***Rosa tomentosa,*** fruits, characteristics 1376
***Rosa webbiana,*** wild plants, utilization, USSR 6225
***Rosa wichuraiana,*** tissue culture, propagation, techniques 6096
**Rosaceae**
landscaping, USSR 3613
reports, German Federal Republic 17
**Rose geraniums** (*see Pelargonium)*
***Rosellinia necatrix,*** apples 1291
**Rosemary** (*see Rosmarinus officinalis)*
**Roses** (*see also Rosa)*
bibliographies 473
breeding
reviews 3534
tissue culture 6096
buds, development, growth regulators 2993
cold, resistance, tests 3614
cultivars
assessment
Czechoslovakia 2274
Denmark 1043
biochemistry 5081
characterization, German Federal Republic 6850
cut flowers 474
diseases 1638
rootstock scion relationships 5080
tissue culture 4419
cultural methods, pot plants 2991
cut flowers
biochemistry 477
physiology 1640
preservatives 7935
production
cultural methods 1045, 2278, 7933, 9042

**Roses** *cont.*
cut flowers *cont.*
production *cont.*
protected cultivation 474, 1046, 2994, 3638, 5732, 6098, 6851
Turkey 5959
senescence 2279, 5081
storage 1640
vase life 474, 476, 7935
cuttings
development, growth regulators 2991
rooting
cultivars 3633
seasonal variation 7932
treatment 2991, 7932
types
summer cuttings 7932
winter cuttings 7932
diseases
*Agrobacterium tumefaciens* 6418, 6772
*Botrytis cinerea* 6097
*Sphaerotheca pannosa* 6852
drought, resistance, tests 3614
flowers
colour, biochemistry 2997-2998
development
light 6098
soil temperature 7827
temperature 6098
fragrance, biochemistry 5133
fungicides
injuries 475
tolerance 475
grafting
rootstocks
assessment 6095
treatment 3634
seasons 6095
techniques
assessment 6095
bench grafts 3634
growing media, composition 8942
growth regulators
aminocyclopropane carboxylic acid, physiology 1640
ethylene, physiology 1640
GA, responses 2278
PBA, application 2993
insecticides, injuries 8957
mutants, induction, gamma radiation 7931
nutrition
nitrogen 1045
phosphorus 1045
potassium 1045
pests
biological control, USSR 182
*Cacoecimorpha pronubana* 8957
Nematoda, reviews 6853
*Tetranychus urticae* 8956
photoperiodism 9042
photosynthesis, tissue culture 2276
plant
composition 7503
development, apical dominance 6098
planting stock
overwintering 3633
production, tissue culture 2276
protected cultivation
diseases 475, 6097
pests 8956-8957
systems, greenhouses 6851
temperature 4422, 6851
pruning
responses 3637, 7933
systems, assessment 3637
reports, German Federal Republic 15, 17
rootstock scion relationships, growth 5080
rootstocks
growth 3635
propagation, cuttings 2275, 6095
soil temperature, responses 7827
soilless culture
cultural methods 2994
diseases 475

**Roses** *cont.*
soilless culture *cont.*
growing media 8943
irrigation 3638
tissue culture
biochemistry 7934
culture media 2276
organogenesis 4420
propagation
callus 4421
meristems 1254, 2992
micropropagation 3636, 4419
responses 5000
water relations, temperature 4422
***Rosmarinus eriocalyx,*** plant, composition 1074
***Rosmarinus officinalis***
leaves, composition 1680
plant
composition 532, 1074-1075, 3107, 4474, 6144, 8104
morphology 532
tissue culture, metabolites, production 9076
***Rosmarinus tomentosus,*** plant, composition 1074
**Rotenoids**
composition
*Tephrosia candida* 9095
*Tephrosia vogelii* 9096
***Rottboellia cochinchinensis,*** as weeds, sugarcane 6335
***Rottboellia exaltata,*** as weeds, sugarcane 1860
***Rotylenchulus reniformis***
aubergines 8001
bananas 6289
tomatoes 8001
vegetables 7457
**Rough lemons**
as rootstocks
*Citrus limettioides* 5266
mandarins 3148, 5265, 7020
oranges 3127, 8172, 9249
drought, tolerance 9247
growth retardation, growth regulators 3832
leaves, composition 1194
nutrition, nitrogen 1194
pests, *Phyllocnistis citrella* 5277
photosynthesis, growth regulators 3832
rootstock scion relationships, compatibility 9249
rootstocks, propagation, seeds 8173
seedlings, development, assessment 3125
**Rubber** (*see Hevea)*
***Rubia,*** plant, composition 2304
**Rubidium**
absorption, tomatoes 3504
metabolism, light, tomatoes 7764
translocation, tomatoes 1541, 4972
***Rubus*** (*see also* Blackberries; Boysenberries; Loganberries; Raspberries)
cultivars, diseases 1360
diseases, *Phragmidium violaceum* 1360
fungicides, injuries 1360
taxonomy, keys 6517
tissue culture
organogenesis 4629
storage 2017
***Rubus arcticus,*** cultivars, assessment, USSR 4043
***Rubus caesius,*** roots, development, assessment 5539
***Rubus calycinoides,*** as ground cover plants, assessment 7823
***Rubus caucasicus,*** fruits, composition 4028
***Rubus chamaemorus***
soil types 735
wild plants, utilization 8624
***Rubus chingii,*** plant, composition 2426
***Rubus constrictus,*** surveys, Chile 3298
***Rubus ellipticus,*** wild plants, edible species 5415
***Rubus glaucus,*** nutrition 1366
***Rubus inermis,*** research, Chile 2581
***Rubus macropetalus,*** diseases, *Phragmidium violaceum* 1360
***Rubus niveus,*** wild plants, edible species 5415

***Rubus suavissimus,*** plant, composition 2426, 8005
***Rudbeckia fulgida,*** cultivars, assessment, German Federal Republic 6797
***Rudbeckia hirta,*** tissue culture, propagation, protoplasts 1586
***Rudbeckia hybrida,*** cultivars, assessment, German Federal Republic 6797
***Rudbeckia laciniata***
cultivars, assessment, German Federal Republic 6797
tissue culture, propagation, protoplasts 1586
***Rudbeckia maxima,*** cultivars, assessment, German Federal Republic 6797
***Rudbeckia nitida,*** cultivars, assessment, German Federal Republic 6797
***Rudbeckia purpurea*** (*see Echinacea purpurea)*
***Rudbeckia subtomentosa,*** cultivars, assessment, German Federal Republic 6797
***Rudbeckia triloba,*** cultivars, assessment, German Federal Republic 6797
***Ruellia tweediana* × *Ruellia tuberosa,*** pollen, cytology 2291
***Rumex***
cultivars, assessment, USSR 2786
plant, composition 6167
***Rumex acetosa,*** weed control 8665
***Rumex acetosella,*** as weeds, strawberries 5560
***Rumex confertus,*** roots, composition 1700
***Rumex nepalensis,*** leaves, composition 616
***Rumex vesicarius,*** intercropping, cauliflowers 4155
***Rumohra adiantiformis*** (*see Arachniodes adiantiformis)*
***Ruscus***
diseases
*Fusarium* 7897
*Phyllosticta* 7897
pests, *Neoplinthus tigratus* 8998
***Russula aurora,*** mycorrhizas, chestnuts 4001
***Russula emetica,*** mycorrhizas, chestnuts 4001
***Russula foetens,*** mycorrhizas, chestnuts 4001
***Ruta chalepensis,*** roots, composition 4520
***Ruta graveolens***
plant, composition 6161
tissue culture
metabolites, production 5220, 6981
physiology 3799
**Rutabaga** (*see* Swedes)
**Sabah,** *Cymbidium rectum,* conservation 9013
***Sabal etonia,*** seeds, germination, temperature 6099
***Sabal palmetto,*** seeds, germination, temperature 478
***Saccharum*** (*see also* Sugarcane)
***Saccharum spontaneum,*** as weeds, tea 4597
***Saintpaulia***
chimaeras 7847
cold
injuries 1001
responses 1002
cultural methods, pot plants 6049
cuttings, sources, cultural methods 1579
diseases, *Erwinia chrysanthemi* 6772
flowers, variegation, tissue culture 7847
leaves
physiology 7839
variegation, tissue culture 7847
nutrients, absorption, humidity 2940
nutrition, nitrogen 8970
plant
development
light 32
temperature 2945
protected cultivation
carbon dioxide 1579
temperature 2945
sap, composition 8970
tissue culture
embryogenesis 1003
propagation
responses 7847
***Saintpaulia*** *cont.*
tissue culture *cont.*
propagation *cont.*
techniques 391
***Salacca edulis,*** edible species 8366
**Salinity** (*see also* Soil salinity)
injuries
*Cosmos bipinnatus* 1562
grapes 4799
lemons 647
responses
avocados 5256-5257
bedding plants 6771
*Capsicum* 4938, 7723
Chinese cabbages 2832
*Citrus* 4539
coconuts 9337
cucumbers 3932, 5724, 5904, 7771
dates 3152
*Euryale ferox* 981
*Gerbera* 5010-5011
grapes 158, 161, 4800, 5575, 6563, 7382
greenhouse crops 6408
horticultural crops 2590
lemons 647
melons 2164
*Nerium oleander* 3646
olives 6271
onions 4113
oranges 1803, 7028
ornamental plants 1562
*Parthenium argentatum* 5246, 8161
peaches 8549
peas 1503, 5803
*Phaseolus vulgaris* 2860, 4911, 7626
pomegranates 7052
radishes 4172
*Rhododendron* 2989
spinach 205
spinach beets 7506
strawberries 7366
tea 3932
tomatoes 323, 327, 334, 2164, 2909, 3496, 4318, 5877, 5904, 7743, 7771, 8898-8899
*Trigonella foenum-graecum* 7506
vegetables 242, 2914, 4098, 4948
*Vicia faba* 2866, 8787
tolerance
aubergines 1525
avocados 2474
chrysanthemums 4353
*Citrus* 1801
*Dianthus chinensis* 1562
grapes 6562
melons 247
oranges 1802
*Petunia* 1562
pistachios 7323
*Rhododendron* 2272
tomatoes 969, 6747
vegetables 8662
woody plants 9029
***Salix,*** tissue culture, explants, sources 3535
***Salix alba,*** soil temperature, responses 7827
***Salix babylonica***
frost, resistance, anatomy 37
plant, vascular system 37
***Salix caprea,*** nectar 3620
***Salix cinerea,*** nectar 3620
***Salpiglossis sinuata,*** pollen, tubes, development 1011
**Salsify,** cultural methods, Mauritius 7140
***Salvadora persica,*** shoots, composition 2427
***Salvia***
cultural methods
labour requirements 5158
mechanization 4475, 6860
plant, composition 6164
research 6898
***Salvia aegyptica,*** seeds, composition 9180
***Salvia cardiophylla,*** plant, composition 3800, 6982
***Salvia coccinea,*** flowers, colour, biochemistry 403
***Salvia cryptantha,*** roots, composition 617
***Salvia farinacea,*** cut flowers, production, protected cultivation 1583
***Salvia fulgens,*** plant, composition 1169
***Salvia keerlii,*** plant, composition 3700
***Salvia lavandulifolia***
plant, composition 1076
processing, residues 6226
***Salvia leucantha,*** cut flowers, production, cultural methods 1004
***Salvia microphylla,*** plant, composition 1169
***Salvia miltiorrhiza,*** roots, composition 1170, 2428, 9197-9199
***Salvia nubicola,*** wild plants, edible species 5415
***Salvia officinalis***
cultural methods
Italy 6878
mechanization 4476
cuttings, rooting, mist 6879
harvesting, harvesting date, assessment 7966
nutrition 6881
plant, composition 5135, 6137, 6144, 6167, 6883
planting, spacing 6882
research 6898
taxonomy, chemotaxonomy 6880
***Salvia pisidica,*** roots, composition 617, 5221
***Salvia potentillifolia,*** roots, composition 617, 3801
***Salvia pratensis,*** utilization, lawns and turf 418
***Salvia przewalskii,*** roots, composition 2429
***Salvia sclarea***
plant, composition 4474
taxonomy, nomenclature 6143
***Salvia splendens***
flowers, colour, biochemistry 403
shoots, development, temperature 392
***Salvia texana,*** roots, composition 6983
***Salvia tingitana,*** taxonomy, nomenclature 6143
***Salvia triloba***
leaves, composition 6145
roots, composition 617
***Salvia verbenaca,*** plant, morphology 517
***Salvia virgata,*** roots, composition 617
***Samanea saman***
leaves, movements, biochemistry 494
seedlings, development, morphology 501
***Sambucus mexicana,*** plant, composition 2330
***Sambucus nigra***
cultivars
assessment, Czechoslovakia 1359
nomenclature 495
cuttings, treatment 6069
flowers, fragrance, biochemistry 5074
research 6898
utilization, shelterbelts 100
**Sand**
utilization
growing media
apples 8474
aubergines 6703
*Capsicum* 6703
carnations 2202
*Cassia fistula* 5084
cherries 2656
cucumbers 6648
*Cyclamen persicum* 3566
*Dieffenbachia maculata* 5058
*Dracaena bruantii* 5059
foliage plants 2252, 5053
*Freesia* 4372
*Gerbera* 5993
*Hibiscus rosa-sinensis* 3000
horticultural crops 8397
melons 1471
*Mentha villosa* 5126
*Narcissus* 7870
*Nephrolepis exaltata* 442, 9006
olives 9294
ornamental plants 8944
*Papaver nudicaule* 5023
peaches 8547

**Sand** *cont.*
utilization *cont.*
growing media *cont.*
*Pelargonium graveolens* 5130
pot plants 6048, 9002-9003
*Radermachera sinica* 5063
*Rhododendron obtusum* 6089
*Rosa multiflora* 4423
*Streptocarpus hybridus* 1591
woody plants 3615, 7916
mulches, Cruciferae 8728
tissue culture, *Pelargonium zonale* 3550
***Sanguisorba minor***
plant, composition 618
utilization, lawns and turf 418
***Sanguisorba officinalis***
plant
anatomy 1769
composition 6167
***Sansevieria***
cultural methods, interior decoration 7895
leaves, anatomy 7906
***Santolina canescens,*** plant, composition 7987
***Santolina pectinata,*** plant, composition 7987
***Santolina rosmarinifolia***
plant
anatomy 6903
composition 7987
***Santolina semidentata,*** plant, composition 7987
***Sapindus laurifolius,*** fruits, composition 5222
***Sapindus trifoliatus,*** fruits, composition 619
***Sapium,*** taxonomy, chemotaxonomy 9200
***Sapium baccatum,*** plant, composition 9200
***Sapium eugeniaefolium,*** plant, composition 9200
***Sapium indicum,*** leaves, composition 4521
***Sapium insigne,*** plant, composition 9200
***Sapium sebiferum,*** plant, composition 5415, 9200
**Sapodillas**
tissue culture
biochemistry 1852
culture media 6326
**Sapogenins**
characterization
*Aesculus pavia* 5082
*Anredera cordifolia* 9118
*Ophiopogon* 3097
composition
aubergines 315
*Borreria stricta* 555
*Dodonaea viscosa* 6192
medicinal plants 9101
*Panax pseudoginseng* 3786
*Pittosporum phillyraeoides* 3791
*Solanum panduraeforme* 625
determination
Solanaceae 7141
*Yucca aloifolia* 1185
extraction
*Dioscorea prazeri* 9149
*Trigonella foenum-graecum* 6132
metabolism
physiology, *Kallstroemia pubescens* 9167
tissue culture
*Kallstroemia pubescens* 9167
*Smilax zeylanica* 2438
production
cultural methods
*Costus speciosus* 2372
*Trigonella foenum-graecum* 6234
tissue culture, *Dioscorea deltoidea* 8053
***Saponaria officinalis***
nutrition 2331
trace elements 2430
**Saponins**
characterization
*Aesculus indica* 1081, 8018
*Allium vineale* 2322
*Anagallis arvensis* 1584, 3048
*Ardisia crispa* 1711

**Saponins** *cont.*
characterization *cont.*
*Bolbostemma paniculatum* 6921
*Calendula arvensis* 8035
*Camellia japonica* 2987
*Crocosmia crocosmiiflora* 8986
*Cucurbita foetidissima* 5148
*Dioscorea collettii* 1127
*Dioscorea panthaica* 1128
*Entada phaseoloides* 637
*Guaiacum officinale* 3765
*Panax pseudoginseng* 598
*Phytolacca americana* 1160
*Polygala japonica* 606
*Primula denticulata* 2214
*Sapindus laurifolius* 5222
*Solidago canadensis* 627
*Solidago virgaurea* 6986
*Swartzia simplex* 529
composition
*Aglaia meliosmoides* 5156
*Amoora rohituka* 3718
*Anagallis arvensis* 8022
*Bupleurum falcatum* 2353
*Calendula officinalis* 5167
*Calliandra portoricensis* 4480
*Cardiocrinum cordatum* 6926
*Clerodendrum laevifolium* 5156
*Cratoxylum pruniflorum* 1729
*Didymocarpus falcatus* 5156
*Diploknema butyracea* 4530
*Dolichos kilimandscharicus* 6893
*Dracaena nitens* 4490
*Gaertnera griffithii* 5156
*Gardenia jovis-tonantis* 4494
*Gynostemma pentaphyllum* 8074
*Hovenia dulcis* 1141
*Lagenaria breviflora* 589
*Lawsonia inermis* 3089
Leguminosae 4206
medicinal plants 9101-9102
*Momordica cochinchinensis* 2401
*Pachycentria constricta* 5156
*Panax japonicus* 1751
*Panax pseudoginseng* 2411, 3034, 5210, 8074
*Pentaphragma horsfieldii* 5156
*Phyllagathis cordata* 5156
*Polyscias scutellaria* 6977
*Primula elatior* 1692
*Primula veris* 1692
*Psychotria griffithii* 5156
*Quillaja saponaria* 5218
*Sanguisorba minor* 618
*Sapindus trifoliatus* 619
*Thinouia coriacea* 2454
*Thottea grandiflora* 5156
*Trigonella monspeliaca* 6896
*Tristania whitiana* 5156
*Uncaria callophylla* 5156
*Urophyllum ferrugineum* 5156
*Vatica hullettii* 5156
*Ziziphus* 3205
determination, plants 5382
metabolism
bolting, *Bupleurum falcatum* 3730
seasonal variation, *Solanum aculeatissimum* 8109
production
cultural methods, *Saponaria officinalis* 2430
tissue culture
*Dioscorea deltoidea* 9148
*Panax pseudoginseng* 1752
**Sarawak,** *Paphiopedilum sanderianum,* conservation 9014
***Sarcodon leucopus,*** composition 1171
***Sarcostemma brevistigma,*** plant, composition 1172
***Sarothamnus*** *(see Cytisus)*
**Satsumas**
cultural methods, slopes 1196
disorders, chlorosis 1796
frost
protection, irrigation 646
resistance, physiology 3145
fruits
composition 184, 9276
development, growth regulators 3839
irrigation, systems 1196

**Satsumas** *cont.*
leaves, composition 5270, 9268
nutrients, requirements, assessment 1197
nutrition
calcium 3145, 5270
magnesium 3834, 5270
manures 3145
nitrogen 3145, 4540, 5270
phosphorus 3145, 5270
potassium 3145, 5270
reports, Berlin 2585
rootstock scion relationships
biochemistry 1791
physiology 9268
storage, systems, cold storage 3843
weed control 6247
***Satureja calamintha*** *(see Calamintha sylvatica)*
***Satureja hortensis***
nutrition 2331
seeds, sowing, spacing 7959
***Satureja kitaibelii,*** plant, composition 5136
***Satureja obovata,*** plant, composition 3108
***Sauromatum guttatum,*** pollination, physiology 5949
***Saussurea amurensis,*** plant, composition 6984
***Saussurea candicans,*** plant, composition 5223
***Saussurea lappa,*** plant, composition 1090, 9201
**Savory** *(see Satureja)*
**Sawdust**
utilization
fertilizers
*Vaccinium angustifolium* 137
*Zingiber officinale* 3665
growing media
*Capsicum* 298
greenhouse crops 6396
horticultural crops 5388
*Lentinula edodes* 3527, 3529, 4993
olives 9285
*Pleurotus ostreatus* 4993
*Poria cocos* 8939
tomatoes 6731, 8885
mulches
apples 1288
cucumbers 3394
planting stock 6842
*Telfairia occidentalis* 7597
*Vaccinium ashei* 2033
overwintering, tea 3195
propagation, strawberries 6524
***Saxifraga,*** taxonomy, nomenclature 3561
***Saxifraga arendsii,*** cuttings, cultural methods 4346
***Saxifraga ciliata,*** pollen, composition 2431
***Saxifraga umbrosa,*** as ground cover plants, assessment 7823
***Scabiosa atropurpurea,*** plant, composition 3802
***Scapteriscus abbreviatus,*** lawns and turf 8992
***Scapteriscus acletus,*** lawns and turf 8992-8993
***Scapteriscus vicinus,*** lawns and turf 8992-8993
**Scarabaeoidea,** sugarcane 6344
***Schefflera***
cultural methods, pot plants 369
protected cultivation
energy conservation 4633
shading 429
***Schefflera actinophylla***
cultural methods
containers 4412
pot plants 4401, 5051
diseases
*Alternaria panax* 3588
*Xanthomonas campestris* pv. *hederae* 2967, 4401
nutrition 2967
***Schefflera arboricola***
cultural methods, pot plants 3589, 4401-4402, 5051
cuttings
rooting, size 9008

***Schefflera arboricola*** *cont.*
cuttings *cont.*
sources, assessment 1623, 9009
diseases
*Alternaria panax* 3588
*Xanthomonas campestris* pv. *hederae* 2967, 4401
nutrition 2967
protected cultivation, light 5942
***Schisandra,*** fruits, composition 1173
***Schisandra chinensis***
fruits, composition 2327, 3803
plant, composition 6227
pollution, sulphur dioxide 5072
***Schisandra propinqua,*** plant, composition 9202
***Schismus barbatus,*** plant, composition 6165
***Schizonepeta tenuifolia,*** plant, composition 5137
***Schizophyllum commune,*** composition 2185
***Schleichera oleosa,*** shoots, composition 533
***Schlumbergera truncata,*** diseases, *Fusarium oxysporum* 6830
***Schubertia multiflora,*** plant, composition 6161
***Schumanniophyton magnificum***
plant, composition 620-621
shoots, composition 2432
***Schumanniophyton problematicum,*** plant, composition 621
**Sciaridae,** poinsettias 470
***Scilla,*** plant, composition 1692
***Scindapsus aureus*** *(see Epipremnum pinnatum)*
***Sciophila, Pleurotus ostreatus*** 3531
***Scirpophaga,*** sugarcane 7103
***Scirpophaga excerptalis,*** sugarcane 9395
***Scirpophaga nivella,*** sugarcane 6344, 8341
***Scirtothrips dorsalis, Capsicum*** 5858
***Scirtothrips kenyensis,*** tea 3197
***Sclerocarya birrea,*** characteristics 9409
***Sclerotinia***
carrots 5924
ornamental plants 5948
***Sclerotinia bulborum, Narcissus*** 2955
***Sclerotinia draytonii, Gladiolus*** 2220
***Sclerotinia fructigena***
peaches 1985
plums 8582
***Sclerotinia homoeocarpa,*** lawns and turf 2961, 2963
***Sclerotinia minor,*** lettuces 5673, 5675
***Sclerotinia narcissicola, Narcissus*** 4375
***Sclerotinia sclerotiorum***
aubergines 4295
carrots 8930
cauliflowers 8725
cucumbers 6652
Jerusalem artichokes 2812, 2814
lettuces 5675
peas 1504
*Phaseolus vulgaris* 7618
pumpkins 5730
tomatoes 6739
***Sclerotium,*** ornamental plants 5948
***Sclerotium cepivorum***
garlic 4106, 7463-7464
onions 2798, 4112, 6586
***Sclerotium rolfsii***
apples 8489-8490
as weeds, *Pleurotus sajor-caju* 1559
onions 194
*Piper betle* 1764
populations, growing media, *Volvariella volvacea* 5940
tomatoes 4321
***Scoparia dulcis,*** plant, composition 3109, 9203
***Scorzonera***
herbicides, residues 8666
weed control 7475
yields, weeds 7475
***Scrobipalpa ergasmia,*** aubergines 7733
***Scrobipalpula absoluta,*** tomatoes 5913, 6745
***Scrophularia scopolii,*** roots, composition 6985, 8105
**Scrophulariaceae,** as weeds, peas 6687
***Scutellaria,*** plant, composition 3110
***Scutellaria baicalensis,*** roots, composition 622
***Scutellaria indica,*** roots, composition 3111
***Scutellaria lateriflora,*** plant, composition 8106
***Scutellaria polyodon,*** plant, composition 1702
***Scutellaria rivularis,*** plant, composition 2433
***Scutigerella immaculata,*** vegetabes 4105
***Sebacina,*** mycorrhizas, Orchidaceae 9017
***Sebacina vermifera,*** mycorrhizas, *Microtis* 2980
***Sechium edule***
cultivars, identification 5705
nutrients, requirements, analysis 3397
taxonomy, geographical distribution 5705
***Sedum acre,*** as ground cover plants, assessment 4403
***Sedum hispanicum,*** as ground cover plants, assessment 4403
***Sedum kamtschaticum,*** as ground cover plants, assessment 4403
***Sedum oppositifolium,*** as ground cover plants, assessment 4403
***Sedum praealtum,*** photosynthesis, CAM pathway 7896
***Sedum rosea*** *(see Rhodiola rosea)*
***Sedum spectabile***
as ground cover plants, assessment 4403
cultural methods, pot plants 6786
***Sedum spurium,*** as ground cover plants, assessment 7823
***Sedum telephium,*** cultural methods, pot plants 6786
**Seedlings**
development
abnormalities
*Cucurbita pepo* 1483
mangoes 6311
allelopathy, cucumbers 1468
ascorbic acid, radishes 2112
assessment
*Citrus* 3125
*Corydalis ambigua* 3070
Orchidaceae 5064
*Strelitzia reginae* 4363
biochemistry
*Cannabis sativa* 6177
*Catharanthus roseus* 4482
*Cucurbita* 6660
*Cucurbita pepo* 7612, 8759
*Euphorbia lathyris* 1783
mangoes 6311
*Papaver somniferum* 8090
peas 943, 1509, 4932, 5830
*Petroselinum crispum* 5106
radishes 3390
*Sinapis alba* 9061
*Tropaeolum majus* 6021
vegetables 4098
watermelons 4190
cadmium, radishes 243
caesium, tomatoes 341
competition, *Phlox drummondii* 6016
culture media, Orchidaceae 3609
genetics, *Phlox drummondii* 6016
germination, carrots 2929
growing media
*Phaseolus vulgaris* 6666
tomatoes 318
growth regulators
cocoa 9316
cucumbers 5407
*Cucurbita pepo* 1483
lettuces 878
peaches 1997
peas 2877, 4268, 4929, 8827
radishes 1460, 2112
tomatoes 327
watermelons 2847, 7611
herbicides, *Phaseolus vulgaris* 5754
histology
*Vanilla planifolia* 5107
*Washingtonia filifera* 9047
**Seedlings** *cont.*
development *cont.*
light
peas 3456, 4267, 8827
*Sinapis alba* 1062, 7961
tomatoes 341, 2902
watermelons 2847
mechanically induced stress, tomatoes 327
mercury, radishes 2113
morphology
Leguminosae 7615
woody plants 501
nutrition
coffee 3174
oil palms 3179, 9366
tea 8353
phenolic compounds, cucumbers 253
physiology
*Aconitum heterophyllum* 4358
*Bletilla striata* 3606
carrots 974
cucumbers 2848, 4898
plants 8903
peas 3456, 4919, 5806, 8815
*Podophyllum hexandrum* 4358
tomatoes, plants 8903
salinity
tomatoes 327, 334
*Vicia faba* 8787
soil structure, *Brassica juncea* 6122
soil temperature
cabbages 2167
tomatoes 2167
sowing date, *Capsicum* 6702
sulphuric acid, peas 278
temperature
citranges 4538
cocoa 3170
peas 8806
tomatoes 2896
water relations
*Cucurbita maxima* 898-899
peas 4928
planting
age
broccoli 7539
cabbages 7542
*Capsicum* 6705
cauliflowers 2107
kohlrabi 3375
lettuces 1437
pawpaws 1225
tomatoes 965
mechanical methods
bedding plants 371
cauliflowers 2827
*Gentiana lutea* 6953
horticultural crops 3925, 6381
reviews 8391
lettuces 1438
tomatoes 1530, 6720
vegetables 4820, 5620, 7445-7446
seasons
Brussels sprouts 229
cabbages 6622
*Capsicum* 6527
onions 7488
site preparation, melons 7591
size
*Capsicum* 4285
tomatoes 7745
production
containers
cabbages 5679
*Cattleya guatemalensis* 3610
coffee 693
*Gentiana lutea* 6953
horticultural crops 28, 4997
reviews 8391
oil palms 9364
*Pelargonium* 8959
*Pelargonium hortorum* 2943
*Petunia* 3610
tomatoes 5878
vegetables 3350, 4820, 5620, 7147
cultural methods
aubergines 6703
bedding plants 8963

**Seedlings** *cont.*
production *cont.*
cultural methods *cont.*
*Begonia* 1014
*Capsicum* 3477, 6703
cauliflowers 2827
celery 2177, 7809
*Cephaelis ipecacuanha* 2364
*Cinchona* 2364
cocoa 8246
cucumbers 5713
*Jasminum grandiflorum* 9038
lettuces 1437
mangoes 6309
oil palms 9364
ornamental plants 4345
*Pelargonium hortorum* 388
*Salvia officinalis* 6878
*Simmondsia chinensis* 8127
tomatoes 962-963, 1529, 3488, 4306
tung 1820
vegetables 7446
reviews 3350
equipment, tomatoes 5878
growing media
aubergines 6703
broccoli 7541
*Capsicum* 6703
*Cyclamen persicum* 3566
horticultural crops 4997
onions 865
*Tagetes patula* 860
vegetables 860, 7147
protected cultivation
bedding plants 987, 5943
cabbages 5679-5680
*Capsicum* 3475, 6702
celery 977, 2177
kohlrabi 4154
lettuces 216, 1437
sugarcane 1856
tomatoes 2161, 6722
vegetables 987, 4099, 5619
soil conditioners, vegetables 1528
soilless culture, vegetables 3350
selection, *Camellia* 6076
sex, determination, *Simmondsia chinensis* 8148
storage
cabbages 6622
strawberries 7364
treatment
antibiotics, tomatoes 5909
antitranspirants
*Capsicum* 4286
oil palms 8299
cold
cabbages 1452
*Euphorbia lathyris* 8159
fungicides
onions 8683
tomatoes 7775
gamma radiation
peas 6686
tomatoes 4951
growth regulators
*Capsicum* 2150, 4286
olives 2536
sour oranges 3142
tomatoes 2160
heat
*Cephaelis ipecacuanha* 2364
*Cinchona* 2364
*Cucurbita pepo* 1481
tomatoes 4970
ionizing radiation, tomatoes 6718
light
*Cephaelis ipecacuanha* 2364
*Cinchona* 2364
nematicides
coffee 8272-8273
lemons 8195
neutron radiation, peas 6686
water, lemons 8194

**Seeds**
biochemistry
alcohols, cashews 6290
cultivars, persimmons 4561
growth regulators
almonds 4667

**Seeds** *cont.*
biochemistry *cont.*
growth regulators *cont.*
cucumbers 5712
*Cucurbita pepo* 1467
okras 4934
tomatoes 6748
light, watermelons 1479
ripening, coffee 694
temperature, apples 1955
water relations, *Trigonella foenum-graecum* 6866
colour, assessment, *Phaseolus vulgaris* 261
development
apomixis, nectarines 3281
biochemistry
apricots 6472
horticultural crops 4659
melons 2123
*Oenothera biennis* 4460
okras 6699
peas 7698
*Phaseolus vulgaris* 269, 2126, 2865
*Psophocarpus tetragonolobus* 8834
*Sinapis alba* 9063
tomatoes 972
*Vicia faba* 924
cultivars, *Pelargonium* 5015
cytology
*Phaseolus vulgaris* 8767
quinces 4755
embryology
*Basella alba* 980
*Crocus sativus* 1059
dates 1812
olives 9297
*Panax pseudoginseng* 8085
Welsh onions 1422
growth regulators
*Panax pseudoginseng* 8086
tomatoes 347, 351
histology, mandarins 8201
physiology
*Citrus* 8184
grapes 7411
*Litchi* 3859
peaches 2001
*Phaseolus vulgaris* 2864
*Psophocarpus tetragonolobus* 8837
pollination, pomegranates 9300
polyembryony, *Citrus* 8170
temperature
carrots 4337
*Panax pseudoginseng* 8086
water relations
melons 4195
peas 7658
dormancy
biochemistry
*Acer tataricum* 1642
hazelnuts 8525
cultivars
globe artichokes 208
*Perilla frutescens* 4984
cyanamide, grapes 2052
environment, ornamental plants 5941
fungicides, *Pyrus pyrifolia* 1347
growth regulators
tomatoes, reviews 1527
woody plants 1905
light, *Oenanthe javanica* 7811
physiology
apples 56, 8460
chestnuts 2666
Cruciferae 4875
*Halimium halimifolium* 5093
lettuces 4867, 7515
potassium nitrate, *Pyrus pyrifolia* 1347
temperature
*Oenanthe javanica* 7811
ornamental plants 5941
*Perilla frutescens* 4984
plants 1902
*Sorbus hupehensis* 5100

**Seeds** *cont.*
germination
biochemistry
cucumbers 5712, 6641
dates 6262
grapes 3324
oil palms 5324
Orchidaceae 447
*Papaver somniferum* 1756
peaches 4730
peas 2139, 5789, 7661-7663
*Phaseolus vulgaris* 3409, 8768
*Psophocarpus tetragonolobus* 1516
*Simmondsia chinensis* 8146
vegetables 8662
*Vicia faba* 5771
cultivars
aubergines 312
*Cyclamen persicum* 407, 3566
globe artichokes 208
lettuces 215
peas 8807
*Phaseolus vulgaris* 2855
culture media
*Adhatoda vasica* 4428
*Bletilla striata* 3606
*Cattleya* 3607
*Cymbidium* 6059
*Ficus pumila* 3272
Orchidaceae 447, 3609, 5064
*Paphiopedilum ciliolare* 2979
*Ponthieva* 3607
dark, lettuces 7514
drought, *Parthenium argentatum* 8161
environment, ornamental plants 5941
fungi, *Microtis* 2980
growing media
*Cassia fistula* 5084
*Phaseolus vulgaris* 6666
growth regulators
*Actinidia* 7336
apples 55
celery 2935, 8931
*Panax pseudoginseng* 8086
tomatoes 347
histology
*Vanilla planifolia* 5107
*Washingtonia filifera* 9047
inhibitors
*Acer negundo* 1048
*Amaranthus caudatus* 4440
*Brassica juncea* 7997
cress 4440
cucumbers 7997
*Jacaratia spinosa* 7112
*Pimpinella anisum* 9057
insecticides, sugarcane 7100
irrigation, mangoes 6309
light
*Actinidia* 7336
*Amsonia tabernaemontana* 3719
aubergines 312
*Brassica juncea* 881
celery 2935, 8931
*Cucumis anguria* 4180
*Echinacea* 2383
endives 4863
*Iris setosa* 1016
*Kalanchoe blossfeldiana* 2973
lettuces 7514, 8713
*Oenanthe javanica* 7811
*Paulownia tomentosa* 3647
*Phaseolus vulgaris* 2854
radishes 6636
tomatoes 341
watermelons 1479, 7586
maturity, *Ficus benjamina* 1649
mercury, radishes 2113
nitrogen, vegetables 4948
nutrition, *Phaseolus vulgaris* 262
pesticides, *Phaseolus vulgaris* 6577
phosphorus, peas 8807
physiology
*Canna* 5041
cucumbers 5712
*Euphorbia lathyris* 1783
lettuces 8712
melons 4195

**Seeds** *cont.*
germination *cont.*
physiology *cont.*
*Paulownia tomentosa* 3647
peas 5787-5788, 8805
*Phaseolus vulgaris* 908
plants 1265, 8903
tomatoes 6748
vegetables 5618
plant extracts
*Amaranthus caudatus* 4440
cress 4440
potassium, peas 8807
salinity
celery 2935
*Cyamopsis tetragonoloba* 7652
onions 4113
*Parthenium argentatum* 8161
spinach beets 7506
tomatoes 5877, 7743
*Trigonella foenum-graecum* 7506
vegetables 4098, 4948, 8662
*Vicia faba* 8787-8788
size
*Cyclamen persicum* 3566
vegetables 5618
soil conditioners, *Vicia faba* 5773
soil water
*Capsicum* 7726
*Phaseolus vulgaris* 262
temperature
*Actinidia* 7336
*Amsonia tabernaemontana* 3719
aubergines 312
*Capsicum* 3474-3476
celery 2935
Cruciferae 3377
cucumbers 6577
*Cyamopsis tetragonoloba* 7652
endives 4863
*Euphorbia lathyris* 8159
*Halimium halimifolium* 5093
*Iris setosa* 1016
lettuces 214, 873, 4868-4869
melons 4889
*Oenanthe javanica* 7811
ornamental palms 478
ornamental plants 5941
Palmae 6099
*Panax pseudoginseng* 8086
peaches 4729
peas 8806
*Perilla frutescens* 4984
*Phaseolus vulgaris* 6577
radishes 6636
*Sorbus hupehensis* 5100
tomatoes 4950, 6577
tests
aubergines 312
carrots 2928, 4337
*Citrus* 8170
hazelnuts 8524
*Lavandula* 6141
melons 7587
oil palms 8296
Orchidaceae 5064
water relations
carrots 1547
hazelnuts 8524
leeks 1547
lettuces 214, 4868
melons 4889
peas 2127, 5787, 5789, 6690
*Phaseolus vulgaris* 2127, 2854, 5750
*Serenoa repens* 3005
tomatoes 2900, 5877
mechanical properties, assessment, peas 5833
production
books, horticultural crops 729
cleaning, coffee 9344
cultivars
carrots 8928
cauliflowers 7557
cultural methods
*Ammi majus* 4477
*Anethum graveolens* 2295
*Borago officinalis* 2350

**Seeds** *cont.*
production *cont.*
cultural methods *cont.*
cabbages 1451-1452, 4163-4165, 4882, 5696-5697
carrots 4982, 5931, 7807
reviews 8927
*Carum carvi* 6123
cauliflowers 6624, 7540
*Centaurium erythraea* 2361
chicory 7511
*Datura stramonium* 5184
*Euphorbia lathyris* 640
fennel 3007
*Gentiana lutea* 6953
horticultural crops 4829
lawns and turf 6044, 8989, 8994
leeks 3358
okras 288
onions 192, 4835-4836, 5645, 7491
*Papaver* 3787
*Papaver somniferum* 601
radishes 4887, 5703, 6639
*Satureja hortensis* 7959
*Simmondsia chinensis* 9232
spinach beets 7506
*Telfairia occidentalis* 3396
tomatoes 351
*Trigonella foenum-graecum* 7506
drying, onions 200
economics, watermelons 3405
environment, *Primula veris* 3554
extraction
aubergines 2789
cucumbers 2790
*Cucurbita maxima* 2790
strawberries 2790
tomatoes 2789
handling, *Cucurbita pepo* 3406
harvesting
aubergines 6716
*Capsicum* 6711, 7728
onions 200
pawpaws 7089
*Syzygium aromaticum* 6128
Mediterranean, vegetables 7459
planting stock
beetroots 3510
carrots 3510
pollination
cauliflowers 7556
*Lagenaria siceraria* 8761
*Viola tricolor* 8966
*Yucca* 6056
quality
assessment
carrots 2928
cocoa 5299
*Crataegus* 1647
horticultural crops 4622
reviews 8390
*Lavandula* 6141
okras 4933
rambutans 5299
*Simmondsia chinensis* 8152
vegetables 5617
cultural methods, horticultural crops 4829
fruiting, okras 2148
growth regulators
pecans 6503
vegetables, reviews 1403
harvesting date, tomatoes 972
pollination, *Yucca* 6056
position, carrots 7807
size
assessment, *Phaseolus vulgaris* 261
position, *Psophocarpus tetragonolobus* 5835
sowing
depth
peas 5779
tomatoes 960-961
vegetables 358
equipment
peas 5786
tomatoes 8875
vegetables 1404

**Seeds** *cont.*
sowing *cont.*
orientation
*Citrus* 6243
coconuts 688
row orientation, peas 5779
site preparation
onions 4833
radishes 7570
sowing date
*Ammi majus* 4477
*Anethum graveolens* 2294-2295, 7966
broccoli 7539
Brussels sprouts 229
cabbages 5696-5697, 6622
*Capsicum* 4285, 6527, 6702
carrots 2927, 4979, 5931, 8924
cauliflowers 1445, 7540, 7543
*Centaurium erythraea* 2361
chicory 3371
Chinese cabbages 227, 4153
*Citrus* 8173
*Coriandrum sativum* 7966
*Cucurbita maxima* 246
*Cucurbita pepo* 245
*Cuminum cyminum* 5105
cut flowers 393
*Echinacea* 2383
essential oil plants 3030
*Euphorbia lathyris* 640
*Fagopyrum esculentum* 3078
fennel 3516
lettuces 211-212
medicinal plants 3030
*Nepeta meyeri* 6210
olives 8215
onions 1414, 3361, 7473
peas 273, 2138, 2871, 5785
*Petroselinum crispum* 7958
*Phaseolus vulgaris* 4205, 5753
*Pimpinella anisum* 7966
radishes 241
*Tagetes erecta* 2947
tomatoes 2161, 7740
*Valerianella locusta* 3517
*Vicia faba* 270, 8786
techniques
*Capsicum* 6706, 7714
*Coriandrum sativum* 1058
endives 7446
lettuces 4866
*Simmondsia chinensis* 9230
tomatoes 7446, 7744
storage
duration
*Acer ginnala* 6101
aubergines 312
*Capsicum* 6711
carrots 1547-1548
leeks 1547
lettuces 215
oil palms 8296
*Phaseolus vulgaris* 2855
*Syzygium aromaticum* 6128
tomatoes 4950
humidity
*Capsicum* 293
lettuces 213
physiology
cucumbers 5711
*Oenothera erythrosepala* 4816
peas 5711
vegetables 4816, 4818
systems
cocoa 1219, 8299
coffee 8262
*Litchi* 2530
*Rauvolfia tetraphylla* 6221
temperature
*Capsicum* 293
hazelnuts 8524
*Syzygium aromaticum* 6129
treatment
acetic acid, peas 1500
alcohols, peas 7672
amino acids, tomatoes 5877
ammonia, peas 1500
antibiotics
*Capsicum* 2155
*Phaseolus vulgaris* 5756

**Seeds** *cont.*
treatment *cont.*
antibiotics *cont.*
tomatoes 7773
antitranspirants, cocoa 8299
ascorbic acid, radishes 2112
bacteria
*Brassica* 5689
peas 2870
*Psophocarpus tetragonolobus* 946
*Vicia faba* 4234
calcium carbonate, *Ficus benjamina* 1649
calcium hypochlorite, *Phaseolus vulgaris* 4223
choline chloride, tomatoes 7743
cold
*Acer ginnala* 6101
*Amsonia tabernaemontana* 3719
apples 8460
cauliflowers 7540
chicory 7511
*Cyclamen* 2223
*Elliottia racemosa* 2999
*Sorbus hupehensis* 5100
*Tilia cordata* 499
copper, *Phaseolus vulgaris* 5756
ethyl methane sulphonate, *Iris kamaonensis* 2228
fungi
cabbages 5700
radishes 5700
tomatoes 3502
fungicides
beetroots 5647
*Brassica nigra* 1057
cabbages 4152
*Callistephus chinensis* 6007
*Capsicum* 2155, 3482
carrots 3511, 4977
celeriac 3511
cocoa 3169
*Cuminum cyminum* 9052
*Ficus benjamina* 1649
onions 1420, 8682-8683
parsnips 3511
peas 1505, 3432
*Petroselinum crispum* subsp. *tuberosum* 3511
*Phaseolus vulgaris* 4223, 7635
*Tagetes erecta* 1592
tomatoes 7775, 8874
vegetables 880, 4097
*Vicia faba* 3424
gamma radiation
cucumbers 8760
*Iris kamaonensis* 2228
peas 6686
tomatoes 4951
growth regulators
*Acer ginnala* 6101
apricots 7278
*Capsicum* 2116
carrots 4976
*Cassia fistula* 5084
cauliflowers 2159
cherries 2657
chicory 7511
cucumbers 2116
*Cyclamen persicum* 407, 3566
*Ficus benjamina* 1649
*Hippophae rhamnoides* 6534
*Indigofera articulata* 6136
*Iris setosa* 1016
lettuces 7514
okras 4934, 7706, 8841
*Paulownia tomentosa* 3647
peaches 98, 4729
*Perilla frutescens* 4984
radishes 2112, 7572
*Serenoa repens* 3005
*Syzygium aromaticum* 6129
tomatoes 2159, 4950, 5877, 6751
vegetables 4949
reviews 1403
heat
*Capsicum* 4290, 4937
carrots 1547
leeks 1547

**Seeds** *cont.*
treatment *cont.*
heat *cont.*
oil palms 8296
*Phaseolus vulgaris* 5756
*Tilia cordata* 499
tomatoes 958, 960, 4320
herbicides, cucumbers 5720
hydrochloric acid, lettuces 4869
hydrogen peroxide
*Cattleya* 3607
*Ponthieva* 3607
insecticides, *Phaseolus vulgaris* 7638
laser radiation, *Phaseolus vulgaris* 8778
light
*Cyclamen* 2223
endives 4863
lettuces 8712
molybdenum, peas 2870
neutron radiation, peas 6686
nutrients
tomatoes 318
*Vicia faba* 8788
organic acids, peas 7672
osmotic pretreatment
*Capsicum* 3474-3477, 8854
carrots 1547-1548, 4977
*Cyamopsis tetragonoloba* 7652
*Euphorbia lathyris* 8159
leeks 1547
lettuces 873, 4867-4868
*Petroselinum crispum* 7958
*Phaseolus vulgaris* 2854
tomatoes 4950
vegetables 957, 4818-4819, 4948
pelleting
*Capsicum* 7714
cocoa 3169
lettuces 4866
tomatoes 958
plant extracts, vegetables 7457
polysaccharides, peas 7672
potassium dihydrogen phosphate
*Capsicum* 2116
cauliflowers 2159
cucumbers 2116
tomatoes 2159
potassium nitrate
*Actinidia* 7336
*Capsicum* 2116
carrots 4978
cauliflowers 2159
cucumbers 2116
*Echinacea* 2383
endives 4863
lettuces 7514
tomatoes 2159, 4950
potassium phosphate, tomatoes 4950
pregermination
*Capsicum* 3474-3475, 6706, 7714, 8854
horticultural crops 26
lettuces 215, 4866
tomatoes 318
vegetables 4097
scarification
*Cassia fistula* 5084
*Cucumis anguria* 4180
*Halimium halimifolium* 5093
*Serenoa repens* 3005
sodium hydroxide
olives 8215
tomatoes 8874
sodium hypochlorite
lettuces 4869
*Phaseolus vulgaris* 5756
sodium phosphate, *Capsicum* 4937
stratification
*Actinidia* 7336
apples 3953, 8460
apricots 7278
cherries 2657
*Echinacea* 2383
*Elliottia racemosa* 2999
*Iris setosa* 1016
peaches 98, 4729-4730
pecans 1351
*Tilia cordata* 499

**Seeds** *cont.*
treatment *cont.*
sucrose
*Cattleya* 3607
*Ponthieva* 3607
sulphuric acid
*Cassia fistula* 5084
*Hippophae rhamnoides* 6534
*Serenoa repens* 3005
testa removal
apricots 7278
cherries 2657
lettuces 8712
*Tilia cordata* 499
trace elements, cucumbers 890
water
*Amsonia tabernaemontana* 3719
carrots 1548, 4978
*Cassia fistula* 5084
*Cyclamen* 2223
endives 4863
lettuces 4868
*Oenanthe javanica* 7813
oil palms 8296
olives 8215
ornamental palms 478
*Phaseolus vulgaris* 5750, 5756
tomatoes 958, 960, 8874
X radiation
cabbages 3376
vegetables 7444
viability
biochemistry, lettuces 213
cultivars, *Citrus* 8184
duration
cocoa 3169
*Litchi* 2530
physiology, cocoa 8245
soil water, *Capsicum* 7726
tests
aubergines 7732
*Capsicum* 5851
cashews 6290
coffee 8262
*Lavandula* 6141
onions 191
peaches 4731
peas 8831
plants 5664
*Solanum aethiopicum* 7732
vegetables 4817
water relations, lettuces 213
***Selaginella doederleinii,*** plant, composition 1770
**Selenium**
absorption
spinach beets 6605
tomatoes 7750
vegetables 1405, 4828
composition
fungi 2184
radishes 7505
spinach beets 7505
metabolism
irrigation
melons 2164
tomatoes 2164
nutrition, tea 3900
toxicity, garlic 8677
***Selepa docilis,*** aubergines 7733
***Sempervivum montanum,*** photosynthesis, temperature 6828
***Senecio***
flowers, histology 6017
plant, composition 3032
taxonomy, histology 6017
***Senecio anonymus,*** plant, composition 9204
***Senecio articulatus,*** leaves, senescence 443
***Senecio grisebachii,*** plant, composition 623, 5224
***Senecio hybridus,*** tissue culture, propagation, micropropagation 3562, 7852-7853
***Senecio kleinia,*** photosynthesis, CAM pathway 2259
***Senecio nemorensis,*** plant, composition 2434
***Senecio pendulus,*** plant, composition 1083
***Senecio sanguisorbae,*** plant, composition 5225

***Senecio vulgaris***
as weeds, *Sorbus aucuparia* 4441
plant, composition 8107
tissue culture, biochemistry 8108
**Senegal,** medicinal plants, surveys 3708, 4471
**Senescence**
biochemistry
carnations 378, 989, 991, 1900, 2204-2206
horticultural crops, reviews 2171
*Liriodendron tulipifera* 5096
*Litchi* 7035
oranges 9267
*Parthenocissus tricuspidata* 1657
peaches 8555
*Phaseolus vulgaris* 1492, 1900
radishes 4886
roses 5081
*Sinapis alba* 9062
*Thevetia peruviana* 3651
*Vicia faba* 4238
calcium, plants 5400
carbon dioxide, *Vicia faba* 7648
cytology, garlic 862
growth regulators
pears 1348
plants 7192
strawberries 830
*Thevetia peruviana* 3651
physiology
carnations 376, 990, 5983, 6775, 8951
celery 3512
cut flowers, reviews 2279
*Freesia* 2224
garlic 7466
horticultural crops, reviews 2502
*Mesembryanthemum crystallinum* 5061
peaches 5497
peas 4253
pecans 6504
*Phaseolus vulgaris* 5762
plants 7192
roses 1640
*Senecio articulatus* 443
vegetables, reviews 2085
***Septoria,*** pears 4741
***Septoria apiicola,*** celery 6759
***Septoria chrysanthemella,*** chrysanthemums 1572
***Septoria lycopersici,*** tomatoes 6739
***Septoria pistacina,*** *Pistacia lentiscus* 2455
***Serapias,*** wild plants, surveys, Italy 3603
***Serenoa repens***
seeds
germination, temperature 478
treatment 3005
**Serology**
proteins
carrots 8926
radishes 3391
tomatoes 2917
***Serratia plymuthica,*** populations, rhizosphere, lettuces 4871
***Serratula cerinthefolia,*** plant extracts, application, tomatoes 3698
***Serratula coronata,*** leaves, development, light 1585
***Serratula sogdiana,*** plant, composition 1684
***Sesamia inferens,*** sugarcane 9395
***Sesbania grandiflora,*** utilization, shade plants, *Basella alba* 7814
***Sesbania sesban***
as support trees, *Phaseolus vulgaris* 6670
utilization, shade plants, *Phaseolus vulgaris* 6670
***Sesbania speciosa,*** as green manures, *Areca* 9305
***Seseli macrophyllum,*** leaves, composition 6146
***Seseli rigidum,*** plant, composition 5226
***Setaria***
as weeds
*Capsicum* 4287
carrots 4333
strawberries 4775
tomatoes 3490, 5883
***Setaria barbata,*** as mulches, *Telfairia occidentalis* 7597
***Setaria faberi,*** as weeds, container grown plants 479
***Setaria pumila***
as weeds
cucumbers 5719
*Gladiolus* 1600
*Sorbus aucuparia* 4441
***Setaria verticillata,*** as weeds, onions 1412
***Setaria viridis***
as weeds
*Phaseolus vulgaris* 3410
*Sorbus aucuparia* 4441
***Setosphaeria rostrata,*** *Capsicum* 3482
**Sewage effluent,** utilization, irrigation, oranges 6248
**Sewage sludge**
utilization
fertilizers
*Phaseolus vulgaris* 267
vegetables 4825
growing media
foliage plants 4402
*Gerbera* 8955
horticultural crops 7177
olives 9294
soil amendments
*Brassica* 4876
tomatoes 6733
vegetables 242, 7505
***Sexava nubila,*** tropical crops 3877
**Shade** (*see also* Light)
measurement, woody plants 461
responses
*Acer palmatum* 1641
apples 7262
bananas 5298
*Basella alba* 7814
cocoa 9330
coconuts 5303
coffee 692
*Dracaena marginata* 437
grapes 4801
*Hedera helix* 6083
*Hibiscus rosa-sinensis* 1651
olives 7045
ornamental plants 5943
peaches 2678
peas 6697
*Pelargonium hortorum* 5014
*Phaseolus vulgaris* 6669
pot plants 429
*Radermachera sinica* 5063
*Simmondsia chinensis* 9231
*Sinapis alba* 504
*Stevia rebaudiana* 7010
stone fruits 2662
strawberries 6526
tea 9406
tomatoes 6719, 8879
tropical crops 9340
*Vicia faba* 6680
**Shading**
materials
horticultural crops 30
tomatoes 4308, 8879
**Shallots**
bulbs, composition 2794
cultivars, diseases 2794
plant, composition 5634
**Shelterbelts** (*see also* Windbreaks)
greenhouses 3228
peaches 100
tea 3894
***Sherardia,*** plant, composition 2304
**Shoots**
biochemistry
seasonal variation, apples 4693
temperature, grapes 2777
development
assessment
apricots 6470
*Arctostaphylos uva-ursi* 6175
carrots 975
*Opuntia* 5290
tea 3901
cultivars, blackberries 7344
cultural methods, foliage plants 6826
cyanamide, plums 120
**Shoots** *cont.*
development *cont.*
defoliation
apples 5451
woody plants 4424
disbudding, *Papaver somniferum* 4509
environment, grapes 1378
flooding, *Vaccinium corymbosum* 134
fruiting, *Citrus latifolia* 1201
growth regulators
*Anthurium andreanum* 6006
apples 761, 1941-1943, 3246, 3257, 5453-5454, 6437-6438, 8470
cherries 4720, 4722, 7285
*Citrus latifolia* 1201
cocoa 9325
*Dieffenbachia* 9001
foliage plants 432
grapes 849
guavas 4584
olives 2541
*Papaver somniferum* 4509
peaches 103, 1336, 3279, 4735
pears 105, 3283, 4744, 6498
pecans 112
*Quercus* 492
*Rhododendron obtusum* 4418
*Spathiphyllum* 2975, 3601
stone fruits 5494
*Syngonium podophyllum* 445
histology
pineapples 2561
*Sinapis alba* 7960
irrigation, black currants 5538
light
cocoa 9330
oranges 3129
nutrition, guavas 4584
orientation
apples 761
*Hedera helix* 3625
physiology
*Capsicum* 7725
grapes 8648
tea 8349
tulips 5040
pruning
*Anthurium andreanum* 6006
grapes 2062
reviews, tea 3200
rootstock scion relationships, peaches 3275
seasonal variation
apples 764
*Citrus* 1800
*Hippophae rhamnoides* 4785
soil water, apples 759
temperature
apples 72
*Impatiens walleriana* 392
oranges 3129
*Salvia splendens* 392
tissue culture, ornamental plants 4347
water relations
peaches 4009
*Simmondsia chinensis* 7006
waterlogging, apples 756
flavour
biochemistry
celery 3513
Umbelliferae 3514
mechanical properties
assessment, cherries 5485
harvesting, cherries 5486
mathematical models, apples 7255
quality
assessment
*Asparagus* 3468-3469
*Opuntia* 5290
sugarcane 6347
harvesting date, *Asparagus* 3467
nutrition, sugarcane 2567
storage, *Asparagus* 7705
temperature, sugarcane 3189
ripening
biochemistry, sugarcane 3193
cultivars, sugarcane 4590

**Shoots** *cont.*
ripening *cont.*
growth regulators, sugarcane 5341-5342
nutrition, sugarcane 5341
rain, sugarcane 9384
temperature, sugarcane 9384
water relations, sugarcane 5341
***Shorea,*** products, resins 1093
***Shorea robusta***
seedlings, development, morphology 501
seeds, composition 6891
***Shortia galacifolia,*** cultural methods 2218
***Sideritis***
plant, composition 2435-2436
taxonomy, chemotaxonomy 2436
***Sideritis angustifolia,*** tissue culture, organogenesis 9205
***Sideritis condensata***
plant
composition 532
morphology 532
***Sideritis leucantha,*** plant, composition 2435
***Sideritis mugronensis,*** plant, composition 2435
***Sideritis scardica,*** plant, composition 3689
***Silene coeli-rosa***
leaves, development, cytology 7676
photoperiodism 1589
***Silene pratensis,*** tissue culture, biochemistry 6166
***Silene scabrifolia,*** plant, composition 3027-3028
***Silene tatarica,*** plant, composition 3804
***Silene wallichiana,*** plant, composition 3805
**Silicon**
absorption, sugarcane 8332
composition
*Bupleurum falcatum* 2353
melons 6650
watermelons 6650
fertilizers, assessment, sugarcane 8332
requirements, analysis, okras 3470
translocation, *Ficus lyrata* 1028
**Silver**
composition
melons 6650
watermelons 6650
**Silver nitrate**
responses
*Chrysanthemum frutescens* 7849
pawpaws 8307
roses 7935
**Silver thiosulphate**
responses
almonds 746
carnations 376, 5983
*Hibiscus rosa-sinensis* 3001
*Petunia* 3553
pot plants 3539
*Rhipsalidopsis gaertneri* 2258
***Silybum marianum***
cultural methods, Romania 3030
plant, composition 3806
***Simarouba amara,*** fruits, composition 5227
***Simarouba glauca,*** cultural methods, India 1781
***Simmondsia californica*** *(see Simmondsia chinensis)*
***Simmondsia chinensis***
conferences 7131, 8371
cultivars, winter hardiness 3121
cultural methods
Argentina 8123
arid regions 8133
Australia 8128
Chile 8127
China 7007
Costa Rica 8151
USA 8122
cuttings
cultural methods 9231
development, diurnal variation 9239
storage 9239
treatment 8150
drought, responses 8144
establishment, arid regions 9230

***Simmondsia chinensis*** *cont.*
flowers
development
climate 9228
irrigation 9234
nutrition 9234
physiology 8141
initiation, light 9233
frost
protection, materials 9223
resistance, biochemistry 3121
fruits
development, water relations 7006
set, climate 9228
growth regulators, NAA, responses 8140
harvesting
economics 9238
techniques
assessment 8137
mechanical harvesting 8121, 8138-8139, 9238
intercropping, *Asparagus* 8136
irrigation
frequency 9225
requirements, determination 9229
responses 8145, 9225, 9232
systems 9229
leaves, composition 8143
nutrition
nitrogen 8145
phosphorus 8145
potassium 8145
plant
development, provenance 8151
selection 8134, 9235
planting
sites, selection 9226
systems 8132
planting stock
production, techniques 8135, 8149, 9231
selection 9226
pollination, research 9224
production
Australia 8131
history 8130
Mediterranean, reviews 8158
Mexico 8125
Paraguay 8124
USA 8122, 9226
products, oils 8154, 8156-8157
pruning
systems
assessment 8135
mechanical methods 8140
reports
Berlin 2585
Cyprus 731
research
Argentina 9227
Brazil 8129
Chile 2581
Spain 8126
seedlings, sex, determination 8148
seeds
composition 8142-8143, 8152-8153, 8155, 9223
germination, biochemistry 8146
morphology 8123
production, cultural methods 9232
quality, assessment 8152
sowing, techniques 9230
shoots, development, water relations 7006
tissue culture
embryogenesis 9222
metabolites, production 9222
propagation, techniques 8147
water relations, physiology 9225
yields, correlation 9236-9237
***Sinapis alba***
growth regulators
carbazates, responses 7785
itaconic acid, absorption 6410
nutrition 6579
phototropism 7962
plant, development, light 504
seedlings
development
biochemistry 9061

***Sinapis alba*** *cont.*
seedlings *cont.*
development *cont.*
light 1062, 7961
senescence 9062
seeds
composition 1056
development, biochemistry 4659, 9063
dormancy, physiology 4875
shoots, development, histology 7960
soil amendments 7447
***Sinapis arvensis,*** as weeds, peas 6687
**Singapore**
flora, Palmae 9024
tomatoes, cultivars 4946
***Sinningia***
cultural methods, pot plants 369
soilless culture, growing media 5388
***Sinningia cardinalis,*** flowers, colour, biochemistry 4379
***Sinningia speciosa***
cold, resistance, tests 8428
tissue culture, organogenesis 4347
***Sinomenium acutum,*** plant, composition 2437
***Sisymbrium irio,*** as weeds, *Parthenium argentatum* 1785
***Sitona,*** peas 276
***Skimmia japonica,*** plant, composition 3112
***Skimmia laureola,*** plant, composition 6884
**Small fruits**
cultural methods, USSR 735
fruits, mechanical properties, assessment 5543
harvesting, techniques, mechanical harvesting 2705
pests, control, USA 7334
production
Chile 8593
Czechoslovakia 2610
reports
German Federal Republic 14
Irish Republic 3212
New Zealand 734, 1892
surveys, Chile 3298
tissue culture, propagation, micropropagation 5029
weed control 4029, 4772
***Smilax zeylanica,*** tissue culture, propagation, micropropagation 2438
**Snow**
responses
apples 3955
*Citrus* 6246
strawberries 2039
tea 3894
**Sodium**
absorption
dates 660
grapes 158, 7419
kiwifruits 2021
tomatoes 8898
composition
*Asparagus* 3468
*Baccaurea sapida* 4604
bedding plants 6771
beetroots 868
carrots 4978
cocoa 4576
coffee 7076
*Flacourtia jangomas* 4604
fruit crops 5414
tomatoes 4331
*Ziziphus mauritiana* 8364
determination, *Mentha piperita* 2314
metabolism
age, *Capsicum* 299
fruiting, *Litchi* 8212
mulching, tomatoes 6727
mycorrhizas, *Parthenium argentatum* 5246
nutrition
*Peperomia obtusifolia* 3600
*Schefflera* 2967
phosphorus, *Parthenium argentatum* 5246
physiology
beetroots 2098

**Sodium** *cont.*
metabolism *cont.*
physiology *cont.*
grapes 4800
oranges 1802
peas 941
pineapples 707
potassium, coconuts 3172
pruning, tomatoes 6727
ripening, boysenberries 131
salinity
tomatoes 969
vegetables 2914
seasonal variation, tomatoes 329
soil amendments, guavas 5310
nutrition
cabbages 235
*Citrus* 1794
jackfruits 7056
lettuces 235
melons 4896, 5891
tomatoes 5891
requirements
analysis
mangoes 8290
okras 3470
tomatoes 4967
responses
tomatoes 967
vegetables 4098
*Vicia faba* 5774
toxicity, oranges 1803
translocation, tomatoes 4972
**Soil aeration**
responses
apples 84
lawns and turf 2245
*Phaseolus vulgaris* 4208
strawberries 4771
*Vaccinium corymbosum* 3308
**Soil amendments**
calcium chloride, sugarcane 7102
dolomite
*Cucurbita pepo* 4184
*Exacum affine* 3624
*Hedera helix* 3624
oranges 6254
peaches 4008
farmyard manure, cabbages 7550
gypsum
apples 5461
*Brassica juncea* 6121
cauliflowers 5686
guavas 5310
oranges 6254
pears 4012
sugarcane 7102
hydrophilic polymers
radishes 5699
*Rosa multiflora* 2277
industrial wastes
peaches 4008
pecans 4015
*Sinapis alba* 7447
vegetables 7447, 7453
lime
apples 5461
*Capsicum* 4291
cocoa 9323
*Exacum affine* 3624
*Hedera helix* 3624
*Ocimum gratissimum* 9078
*Phaseolus vulgaris* 4219-4220
*Piper nigrum* 6127
plums 4753
tomatoes 2909, 3499
tung 2544
woody plants 4414
limestone
Chinese cabbages 5692
oranges 6254
peaches 4008
sugarcane 6342, 7102
tomatoes 4964
vegetables 7453
oilseed cakes, *Piper betle* 1764
peat, raspberries 7349
plant residues, cabbages 7550
poultry manure, cabbages 7550
pyrites, *Brassica juncea* 6121
**Soil amendments** *cont.*
sewage sludge
cabbages 4876
kale 4876
tomatoes 6733
vegetables 242, 7505
sulphur
celery 2178
pears 4012
sulphuric acid, pears 4012
**Soil compaction**
harvesting, grapes 2784
responses
coffee 3176
*Cyamopsis tetragonoloba* 8801
peas 1506-1507, 5797
*Phaseolus vulgaris* 910-912, 7627
raspberries 4042
sugarcane 2566
vegetables 5624
watermelons 2843
**Soil conditioners**
responses
*Pelargonium graveolens* 5130
vegetables 1528
*Vicia faba* 5773
**Soil depth,** responses, almonds 745
**Soil fumigation**
chloropicrin
apples 6446
*Citrus* 8187
melons 4186
dichloropropene
apples 4688
carrots 8921
*Citrus* 8187
tomatoes 8921
fenamiphos, apples 4688
metham
carnations 5977
carrots 1549
*Citrus* 8187
methyl bromide
cabbages 4152
*Capsicum* 5856, 6709
*Citrus* 8187
coffee 8267
horticultural crops 6582
melons 4186
tomatoes 6724
methyl isothiocyanate
apples 4688
*Citrus* 8187
**Soil heating**
responses
apples 1291
celery 1551
fennel 1551
*Gerbera* 384
horticultural crops 6393
vegetables 5619
**Soil management**
equipment, coffee 3176
responses
apples 1954
bananas 3166, 7058
olives 667
onions 1414, 4833
oranges 5269
peaches 7300
pecans 7316
plums 3289
systems
apples 758, 1954, 2627
grapes 4079, 5583-5584
onions 4833
oranges 5269
peaches 7300
pecans 7316
plums 3289
raspberries 3304, 8603
strawberries 5560
sugarcane 5336
temperate fruits 3942
tomatoes 4182
vegetables 7452
watermelons 2843, 4182
**Soil pH**
cultural methods, sugarcane 2568
nutrition, *Cucurbita pepo* 2844
**Soil pH** *cont.*
responses
cauliflowers 2831
*Cucurbita pepo* 4184
*Macadamia* 4556
*Ocimum gratissimum* 9078
pawpaws 1842
*Phaseolus vulgaris* 4209
pineapples 6323
*Piper nigrum* 6127
plums 4753
tomatoes 332, 5880
tung 2544
*Vaccinium* 4048
*Vaccinium corymbosum* 136
vegetables 242
soil amendments
celery 2178
peaches 4008
pecans 4015
sulphur, dates 9278
**Soil pollution** (*see* Pollution)
**Soil salinity** (*see also* Salinity)
sulphur, dates 9278
**Soil sickness**
apples 1951
peaches, reviews 1991
**Soil structure**
responses
apples 3247
*Brassica juncea* 6122
cucumbers 1468
lawns and turf 3585
**Soil temperature**
control
equipment
*Alstroemeria* 35
horticultural crops 1251
diurnal variation, oranges 3132
mulching
apples 5450
melons 4183
strawberries 5562
responses
*Annona* 679
apples 1288
bedding plants 987
cabbages 2167
*Capsicum* 5860
Chinese cabbages 3383
cucumbers 2117
*Dieffenbachia maculata* 1027
lawns and turf 3585
ornamental plants 7827
peas 5779
tomatoes 2167
*Vaccinium corymbosum* 826
vegetables 242, 987
woody plants 456, 2267
**Soil water** (*see also* Waterlogging)
drainage, sugarcane 9390
irrigation
peaches 8542
sugarcane 9388
tomatoes 2905
measurement, greenhouse crops 1260
mulching
apples 5450
strawberries 5562
responses
apples 759, 3959, 3961
*Asparagus* 282
atemoyas 4563
bananas 7059
cabbages 3376, 4152
*Capsicum* 2152, 3483, 7726
cucumbers 3402
grapes 2765, 2775, 4804
*Hippophae rhamnoides* 2044
lawns and turf 1610, 3585
lemons 5278
lettuces 214
*Malus* 3961
oil palms 9367
okras 285
onions 4111
oranges 3134, 9269
peas 5791
*Phaseolus vulgaris* 262, 2857, 3412, 4912, 7644
squashes 1470

**Soil water** *cont.*
responses *cont.*
sugarcane 5335
tea 1870
*Vicia faba* 927
**Soilless culture**
cultivars
chicory 1435
cucumbers 8740
tomatoes 8888
cultural methods
*Asparagus* 8839
lawns and turf 4385
lettuces 2103
roses 2994
tomatoes 326, 965, 5886, 7758, 8888, 8906
Welsh onions 6591
woody plants 7919
diseases, roses 475
disorders
cucumbers 5729
lettuces 4136
economics
*Asparagus* 8839
vegetables 8667
equipment, tomatoes 5890
growing media
*Begonia hiemalis* 7858
*Capsicum* 7716
chrysanthemums 8954
conifers 2983
cucumbers 2118, 5713, 6648, 7599
*Cymbidium* 451
*Cymbopogon citratus* 4453
foliage plants 8997
*Gerbera* 384, 8955
greenhouse crops 4101
horticultural crops 5388, 6527, 8397
lettuces 4140
ornamental plants 8943
pot plants 8942, 9002-9003
roses 2994
tomatoes 4960, 6730, 7752, 7760, 7762, 8885-8886, 8888-8890, 8893
vegetables 6728, 8943
woody plants 2983
irrigation
chrysanthemums 8953
cucumbers 7599
foliage plants 8997
greenhouse crops 6387
roses 3638
tomatoes 7752, 7756, 7760, 8886, 8888, 8891, 8906
nutrient solutions
aeration
lettuces 4138
tomatoes 5905, 7762
carbon dioxide, tomatoes 5905
composition 328
*Acer saccharinum* 7919
*Capsicum* 2165, 5854
cucumbers 3495
*Cymbidium* 451
lettuces 218, 4138
melons 5891
*Phaseolus vulgaris* 265-266
roses 3638
tomatoes 2165, 3495, 5888, 5891, 5902, 7763, 8896-8897
magnetism, tomatoes 8907
pH
apples 66
*Capsicum* 5854
chrysanthemums 5990
cucumbers 3495
strawberries 145
tomatoes 3495
vegetables 4827
salinity
bedding plants 6771
*Capsicum* 4938
cucumbers 2118, 7771
melons 5891
tomatoes 334, 3496, 4312, 5891, 7762, 7771, 8898-8899
sterilization, lettuces 874
temperature 7518

**Soilless culture** *cont.*
nutrient solutions *cont.*
temperature *cont.*
cucumbers 4189
*Cucurbita ficifolia* 4189
lettuces 1439, 4139, 4870
tomatoes 4311, 5888, 7762
Welsh onions 6591
nutrition
apples 8474
broccoli 7547
*Capsicum* 5854, 7719-7720
cucumbers 4894, 5729, 7771, 8752
leeks 7720
lettuces 218-219, 876, 4139, 4870, 7518
melons 5891
olives 9294
oranges 650
peaches 8547
peas 5802
*Phaseolus vulgaris* 264, 268
strawberries 145, 2736
tomatoes 2908, 2912-2913, 4317, 4961, 5888-5889, 5891, 5893, 6729, 7761, 7771, 7783, 8888, 8893, 8896
*Valeriana officinalis* 5240
vegetables 861
planting, seasons, Welsh onions 6591
responses, *Asparagus* 3469
systems
assessment
cucumbers 8751
poinsettias 7928
tomatoes 8889
vegetables 6728, 8667
containers
greenhouse crops 5385
lawns and turf 4385
tomatoes 4313, 4961
hydroponics
*Capsicum* 2165
*Cymbopogon citratus* 2310
foliage plants 2969
grapes 2058, 7411
horticultural crops 6383
lettuces 874, 4140, 7519
plants 1259
tomatoes 327, 2165, 4313, 5878, 5889, 6730, 8889-8890
nutrient film techniques
aubergines 954
chrysanthemums 1568, 8953
cucumbers 2118, 3495, 4894, 8740
foliage plants 8997
greenhouse crops 4101
horticultural crops, reviews 6382
lettuces 218-219, 4135-4139, 4870, 7518
tomatoes 3495-3496, 4137, 4311-4312, 4331, 4961, 5890, 7762, 8887, 8889
vegetables 8667
**Solanaceae**
plant
composition 5153, 7141
reviews 9105
***Solanum*** (*see also* Aubergines)
plant, composition 5147, 7141
***Solanum aculeatissimum,*** roots, composition 8109, 9206
***Solanum aethiopicum***
pests, *Tetranychus urticae* 973
seeds, viability, tests 7732
***Solanum aviculare,*** plant, composition 2439
***Solanum capsicastrum,*** leaves, composition 1661, 5228
***Solanum congestiflorum,*** plant, composition 5147
***Solanum glaucophyllum,*** plant, composition 4522
***Solanum khasianum***
flowers, biology 9207
plant, composition 2439
***Solanum laciniatum***
grafting, techniques, assessment 3113
plant, composition 531, 2439
roots, composition 3808

***Solanum laciniatum*** *cont.*
tissue culture, metabolites, production 624, 3807
***Solanum luteum,*** plant, composition 2439
***Solanum marginatum,*** plant, composition 8110
***Solanum muricatum***
cultivars, biochemistry 5291
fruits
aroma, biochemistry 5291
development, assessment 149
maturity, assessment 3865
research, Chile 2581
storage, treatment 3865
***Solanum nigrum***
as weeds
spinach 1424
tomatoes 1532, 3490
leaves, composition 1696
plant
composition 532
morphology 532
***Solanum panduraeforme,*** plant, composition 625
***Solanum ptycanthum***
as weeds
cucumbers 5719
tomatoes 5885
***Solanum quitoense***
mycorrhizas 6279
tissue culture, propagation, techniques 1822
***Solanum spirale,*** plant, composition 626
***Solanum xanthocarpum,*** tissue culture, culture media 3809
**Solar radiation**
injuries
apples 777
raspberries 4759
*Saintpaulia* 6049
tea 718
tomatoes 350, 2174
responses
oranges 3132
plants 1914
tomatoes 338
utilization
energy sources
greenhouses 2903, 4633-4637, 4642, 4646, 5392, 7169
plastic tunnels 6401
***Soleirolia soleirolii,*** photosynthesis, light 430
***Solidago***
as weeds, *Vaccinium angustifolium* 8608
cultivars, characteristics, German Federal Republic 7854
cultural methods, pot plants 6786
***Solidago caesia,*** characteristics 7854
***Solidago canadensis,*** plant, composition 627, 1692, 4523
***Solidago chilensis,*** rhizomes, composition 8111
***Solidago serotina,*** plant, composition 1692
***Solidago virgaurea***
characteristics 7854
photoperiodism 6228
plant, composition 1692, 4523, 6986-6987
***Solidaster luteus,*** cultural methods, pot plants 6786
***Solieria robusta,*** composition 9208
**Somalia,** medicinal plants, surveys 2335
***Sonchus oleraceus,*** as weeds, *Gladiolus* 1600
***Sophora flavescens,*** roots, composition 6229
***Sophora japonica***
landscaping
roadsides 457
urban sites 6068
plant, composition 2605
***Sophora microphylla,*** frost, resistance, assessment 9027
***Sophora prostrata,*** frost, resistance, assessment 9027
***Sophora secundiflora,*** leaves, composition 5229
***Sophora tetraptera,*** frost, resistance, assessment 9027

***Sophrorhinus,*** *Cola nitida* 2554
**Sorbitol,** metabolism, growth regulators, apples 3254
***Sorbus***
herbicides, tolerance 6070
landscaping, urban sites 6065-6066
weed control 6070
***Sorbus aria***
cultivars, characteristics, Hungary 496
herbicides, injuries 6070
shoots, development, defoliation 4424
weed control 6070
wild plants, utilization 8624
***Sorbus aucuparia***
cultivars, characteristics, Hungary 496
plant extracts
application
*Amaranthus caudatus* 4440
cress 4440
utilization, shelterbelts 100
weed control 4441
***Sorbus borbasii,*** plant, morphology 497
***Sorbus dacica,*** plant, morphology 497
***Sorbus degenii,*** plant, morphology 497
***Sorbus domestica,*** plant, morphology 496
***Sorbus hupehensis***
seeds
germination, temperature 5100
treatment 5100
***Sorbus intermedia,*** plant, morphology 497
***Sorbus pseudolatifolia,*** plant, morphology 497
***Sorbus redliana,*** plant, morphology 497
***Sorbus rotundifolia,*** plant, morphology 497
***Sorbus semiincisa,*** plant, morphology 497
***Sorbus sibirica,*** wild plants, utilization, USSR 6158
***Sorbus thuringiaca,*** plant, morphology 497
***Sorbus torminalis***
fruits, composition 4028
plant, morphology 496
wild plants, utilization 8624
***Sorbus vertesensis,*** plant, morphology 497
***Sorghum halepense***
as weeds
*Capsicum* 5882
*Cucurbita pepo* 891
tomatoes 5882
**Sour oranges**
as rootstocks
*Citrus* 645, 2514
*Citrus volkameriana* 644
grapefruits 5267
lemons 647
mandarins 3148
oranges 7973
*Poncirus trifoliata* 644
cultivars, diseases 9245
flooding 4539
fruits, composition 4551
leaves
composition 8168
physiology 4654, 4656, 4658
mycorrhizas 4539
pests, *Diaprepes abbreviatus* 655
planting stock, production, containers 4538
protected cultivation, carbon dioxide 3142
roots
injuries
assessment 655
temperature 4538
rootstock scion relationships
biochemistry 645
growth 644
physiology 644
salinity
responses 4539
tolerance 1801
seedlings, treatment 3142
seeds
development, polyembryony 8170
germination, tests 8170
sowing, orientation 6243
tissue culture, physiology 1801
water relations, physiology 1801
**South Africa**
apricots, cultivars 1966
**South Africa** *cont.*
avocados
diseases, surveys 2476
production 4536
bananas, cultivars 5292
*Citrus*
cultivars 9248
cultural methods 7016-7017
*Disa,* breeding 2978
*Disa uniflora*
breeding 2977
cultural methods 2976
*Gasteria croucheri,* wild plants, utilization 1738
grapes
cultural methods 8634
rootstocks 5578
*Lachenalia,* species 415
pecans, cultivars 7317
plums, rootstocks 8576
sugarcane, Nematoda, control, reviews 8334-8335
**South America,** medicinal plants, surveys 5192
**Soyabean yellow bud virus,** pawpaws 1843
**Soyabeans,** cultivars, vegetables 7700
***Soymida febrifuga,*** plant, composition 9103
**Spacing**
*Achillea* 1004
*Ajuga reptans* 6004
*Anethum graveolens* 2294-2296
apples 754, 757, 1929, 3237, 3243, 3954, 4677, 5435, 5444, 6430, 7227
*Areca catechu* 6294
*Atropa belladonna* 5163
aubergines 2157
*Bactris gasipaes* 6295
bananas 5295, 6286
*Borago officinalis* 2350
Brussels sprouts 229, 2106
cabbages 4879, 7529, 7542, 8722
*Calendula officinalis* 6924
*Capsicum* 950, 7716, 7721, 8855
carnations 5002
carrots 355, 4979, 4982, 7807
*Carum carvi* 6123, 7966
cauliflowers 2107
celery 7808
cherries 2658-2660
chicory 6607
Chinese cabbages 227, 4153
chrysanthemums 1570
*Clematis* 4431
cocoa 6292, 6294, 6296, 6298
coffee 7069
*Coriandrum sativum* 1058
cucumbers 251, 3402, 7598
*Cucurbita pepo* 245, 3395
*Epimedium* 6004
essential oil plants 3030
*Euonymus fortunei* var. *radicans* 6004
fennel 3007, 3516
fruit crops 4663, 5386
garlic 8675
*Gladiolus* 1598-1599, 2226, 6807
gooseberries 2709
grapes 2059-2060, 4792, 7375, 7392, 7406
guavas 3177
*Hedera helix* 6004
*Hypericum calycinum* 6004
kohlrabi 226, 3375
lawns and turf 4385
lettuces 211-212
*Liatris pycnostachya* 1004
*Lilium* 412
*Malva glabra* 8080
mandarins 1195, 8175
medicinal plants 3030
melons 7600
*Mentha arvensis* 9072
oil palms 8298, 9363
onions 192, 3361, 7473, 7488
oranges 3127
ornamental bulbs 6023
*Pachysandra terminalis* 6004
*Papaver bracteatum* 599
*Papaver somniferum* 2412
passion fruits 6273
**Spacing** *cont.*
pawpaws 5328
peaches 796, 4733, 7302
pears 2005
peas 272, 276, 5779
*Pelargonium hortorum* 388
persimmons 8226
*Phaseolus vulgaris* 3412, 4205, 4912, 7626
*Physostegia virginiana* 1004
pineapples 1845
plums 4752, 5517
*Polianthes tuberosa* 2239
quinces 122
radishes 241, 4885, 7566
raspberries 825
red currants 7343
*Rosa damascena* 2318
*Salvia leucantha* 1004
*Salvia officinalis* 6878, 6882
*Satureja hortensis* 7959
*Simmondsia chinensis* 8123
spinach 8695
strawberries 142, 2040, 5555, 5557, 7365
sugarcane 1859, 3188
*Tagetes erecta* 2947, 7856, 8964
tomatoes 959, 2162, 3488, 4306, 4952, 4955, 5879, 5881, 5890, 7746, 7759, 8877-8878
*Vicia faba* 270-271, 4235
*Vinca major* 6004
*Vinca minor* 6004
*Viola odorata* 6004
watermelons 4891, 6658
*Ziziphus mauritiana* 8362
**Spain**
almonds, cultivars 5421
apricots, cultivars 1966
avocados
cultural methods 2462
production 2462
*Capsicum,* cultivars 291
chrysanthemums, cultural methods 7164
cut flowers, production, carnations 5951
grapes
cultivars 6538
weeds 6550
Jerusalem artichokes, cultural methods 7507
medicinal plants, surveys 3709
olives, cultivars, reviews 664
*Simmondsia chinensis,* research 8126
***Spartium junceum,*** plant, composition 1702
***Spathiphyllum***
cultural methods, pot plants 2975, 3601, 4402, 8996
diseases, *Cylindrocladium spathiphylli* 2260
forcing 4404
growing media, pH 2260
***Spathiphyllum wallisii,*** transpiration, light 444
***Spathodea campanulata,*** plant, composition 9209
***Spathoglottis,*** mycorrhizas 9017
***Spatholobus suberetus,*** roots, composition 3810
***Sphaceloma perseae,*** avocados 2475
***Sphaerotheca alchemillae,*** strawberries 7359
***Sphaerotheca fuliginea***
cucumbers 1478, 5706, 5739, 8742, 9093
Cucurbitaceae 5735
*Lagenaria siceraria* 1475
melons 1476-1477
***Sphaerotheca macularis,*** strawberries 2037, 4056, 6397, 7358
***Sphaerotheca mors-uvae***
black currants 2706
gooseberries 2709
red currants 4031
***Sphaerotheca pannosa***
peaches 1985, 1988, 7295, 8550
*Prunus* 1328
*Rosa kordesii* 6094
roses 6852

**Spice plants**
conferences 1883, 8374
reports
Norway 7135
UK 1893
***Spilocaea pyracanthae, Pyracantha*** 491
**Spinach**
cultivars
assessment, Belgium 7494
characteristics, USA 5648
diseases 5648, 7494
protected cultivation 7494
winter hardiness 4125
diseases, *Cercospora beticola* 8695
flowers
initiation
biochemistry 8708
photoperiodism 4861
temperature 4861
frost
injuries 2807
resistance
cultivars 4125
physiology 2808
growing media, composition 4828
growth regulators
GA
biosynthesis 869
responses 4129
harvesting, techniques, mechanical harvesting 2811
herbicides
injuries 7495-7496
physiology 3443
insecticides, residues 3934
leaves
biochemistry 2809, 7504, 8696, 8705
light 3368
composition 205, 870, 1425, 1431-1434, 1912, 2084, 2086, 2810, 3367, 3452, 4121, 4128, 4841, 4858-4859, 5628, 5658, 8431, 8707
cytology 2804
physiology 8672
nutrients, absorption, assessment 2082
nutrition
copper 203
nitrogen 4826-4827, 4841-4843, 5650, 7454
phosphorus 2805, 4826, 5626, 7454
potassium 4826, 5626, 7454
pests, *Scutigerella immaculata* 4105
photoperiodism 3367, 4129
photosynthesis
biochemistry 1428, 2100, 3366, 3441-3442, 3445, 4122-4123, 4255, 4259, 4844-4845, 4849, 4851-4857, 5651-5653, 5655-5659, 6595, 6597-6599, 6601-6602, 7498, 8389, 8698, 8701, 8703, 8706
blue light 6603
copper 7498
electricity 8702, 8704
inhibitors 3443, 4850, 5248, 6600
light 940, 1049, 1427, 1429, 3365, 4846, 4848, 6603, 8700
nutrition 203, 4846-4847
phosphorus 1426, 1430, 2805
physiology 3226, 3436, 8672
research 4124, 5824, 6596, 7499, 8699
sulphur compounds 6594
temperature 2806
plant
biochemistry, light 204, 2099
composition 38, 3388, 4126-4127, 4831, 4860, 5660, 6604, 7497, 7501-7503, 8706
physiology 8697
pollution
hydrogen sulphide 2803, 6593
sulphur compounds 6594
sulphur dioxide 5649
protected cultivation, nutrition 7454
reports, German Federal Republic 14-15
rotations 1424, 8724
salinity, responses 205
**Spinach** *cont.*
seeds, sowing, spacing 8695
senescence 2085
soil management, systems 7452
soil types 7497
storage, physiology 2085
translocation, biochemistry 7500
weed control 1424, 7495-7496, 8694
**Spinach beets**
growing media, composition 8709
nutrition, selenium 6605, 7505
photosynthesis, biochemistry 6606
salinity, responses 7506
soil amendments 242, 7505
***Spiraea bumalda***
cultural methods, containers 1630
cuttings, rooting, growing media 3615
herbicides, injuries 1630
***Spiraea cinerea***
cultural methods, containers 1630
herbicides, injuries 1630
***Spiraea japonica,*** roots, composition 8112, 9210
***Spiraea latifolia,*** as weeds, *Vaccinium angustifolium* 8608
***Spiraea thunbergii,*** flowers, composition 2440
***Spiranthes spiralis,*** seeds, germination, culture media 3609
***Spodoptera exigua,*** cabbages 883
***Spodoptera littoralis,*** greenhouse crops 7181, 7456
***Spondias mombin,*** plant, composition 1086, 3706
***Spondias tuberosa,*** fruits, characteristics 2577
**Spraying**
coverage
assessment
apples 3252
*Citrus* 8198-8199, 9265
fruit crops 8424
equipment
apples 1950, 1953
carrots 7476
coffee 6305, 8276
fruit crops 3940, 5412, 7186-7187
grapes 7433
hops 6890
onions 7476
raspberries 7351
sugarcane 8329
temperate fruits 1301, 7254
techniques
aerial spraying, grapes 4087
assessment
apples 3251, 6449-6450, 7239
fruit crops 1263, 6421, 6447
*Hevea* 3886
oranges 5274
stone fruits 8583
temperate fruits 7209
work studies, fruit crops 3938
**Squashes** (*see also Cucurbita*)
allelopathy 6333
disorders, leaf silvering 1470
growth regulators, alcohols, responses 2842
reports, New Zealand 734
soil water, responses 1470
storage
diseases 8765
disorders 8765
**Sri Lanka**
coconuts, cultural methods 690
tea, cultural methods 9400
**St. Augustine grass** (*see Stenotaphrum secundatum*)
***Stachybotrys atra,*** *Tagetes erecta* 1592
***Stachys annua,*** as weeds, onions 1412
***Stachys officinalis,*** roots, composition 3811
***Stachys sieboldii,*** weed control 8665
**Staking**
responses, cucumbers 251
systems, subtropical fruits 6250
***Stangeria eriopus,*** tissue culture, propagation, techniques 2292
***Stanhopea,*** taxonomy, keys 6832
***Stanhopea anfracta,*** flowers, fragrance, biochemistry 453
***Stanhopea oculata,*** flowers, cytology 452
***Stanhopea panamensis,*** characteristics 6832
***Stanhopea wardii,*** flowers, cytology 452
**Staphyleaceae,** leaves, anatomy 6117
**Statistical methods**
analysis
experimental plots, tea 5348
growth, *Phaseolus vulgaris* 5760
tissue culture, horticultural crops 7143
experimental design
aubergines 3485
cabbages 7526
*Camellia* 3622
cauliflowers 7525, 8716
coconuts 3874
horticultural crops 6380
*Jasminum grandiflorum* 5120
mandarins 5263
*Phaseolus vulgaris* 6379
sugarcane 9380
vegetables 2882, 7442
mathematical models
climate, greenhouses 3928, 6402
diseases
*Citrus* 9257
grapes 2772
disorders, plums 5522
economics, *Hevea* 8309
energy requirements
greenhouse crops 2594
greenhouses 5396, 6402
flowering date, almonds 7216
frost protection, apples 7229
frost resistance, grapes 1398
growth
apples 7255
cucumbers 2121
*Cyamopsis tetragonoloba* 7653
lettuces 7523
onions 195, 197, 199
handling, lettuces 2822
harvesting, olives 3159
harvesting date, bananas 3869
irrigation, *Capsicum* 951
light reflection, plants 8392
light transmission, greenhouses 2595-2596
mechanical properties
apples 3981-3982, 7275
*Capsicum* 7730
fruit crops 7199
tomatoes 8917
pests, olives 2539
phenology, temperate fruits 744
physiology
cucumbers 3929
vegetables 242
pollution, vegetables 1406
protected cultivation, greenhouse crops 6384
ripening
apples 6431
bananas 8242
spacing, raspberries 825
temperature, lettuces 7519
transpiration
horticultural crops 2609
woody plants 6074
yields
almonds 48
apples 1958
avocados 2497
oil palms 9372
sampling
*Capsicum* 300-301
*Stevia rebaudiana* 7009
**Stecklings**
quality
beetroots 3510
carrots 3510
treatment, cold, carrots 5931
***Steinernema,*** control, of insects, ornamental plants 8949
***Stelis,*** flowers, composition 3612
***Stellaria media***
as weeds
cabbages 1447
container grown plants 6072
*Gerbera* 383

***Stellaria media*** *cont.*
as weeds *cont.*
hops 4463
woody plants 6070
***Stemmadenia grandiflora,*** plant, composition 6988
***Stemodia maritima,*** plant, composition 9211
***Stemonoporus canaliculatus,*** plant, composition 4467
***Stemphylium,*** cucumbers 5708
***Stemphylium floridanum,*** tomatoes 4298
***Stemphylium solani,*** tomatoes 4298
***Stemphylium vesicarium***
*Asparagus* 283
tomatoes 4298
***Steneotarsonemus laticeps,*** *Narcissus* 4375
***Stenotaphrum secundatum***
herbicides, tolerance 2244
transpiration, measurement 6045
weed control 2965
***Stephania cepharantha***
plant, composition 2441
tissue culture, metabolites, production 6989, 9212
***Stephania hernandifolia,*** plant, composition 4532
***Stephania rotunda,*** roots, composition 8113
***Stephanitis pyrioides,*** *Rhododendron* 9041
***Stephanotis,*** cultural methods, pot plants 3650
***Stephanotis floribunda,*** flowers, fragrance, diurnal variation 6108
***Sterculia foetida,*** seedlings, development, morphology 501
***Stereum,*** *Eucalyptus* 7897
***Stereum hirsutum,*** grapes 6566
***Sternochetus frigidus,*** mangoes 3880
***Sternochetus mangiferae,*** mangoes 5319
**Steroids**
characterization
*Buxus papillosa* 2355
*Capsicum* 3735
*Dioscorea collettii* 1127
*Dioscorea panthaica* 1128
*Fritillaria* 3759
*Jaborosa magellanica* 1145
*Leuzea carthamoides* 4499
onions 3364
*Ophiopogon* 3097
*Pfaffia iresinoides* 6895
*Physalis alkekengi* 1759
*Physalis angulata* 3790
*Sarcostemma brevistigma* 1172
*Silene tatarica* 3804
*Silene wallichiana* 3805
*Solanum capsicastrum* 1661, 5228
*Trachomitum venetum* 2325
*Yucca aloifolia* 1184
composition
*Allium stipitatum* 6910, 8020
*Allium suvorovii* 6910, 8020
*Ardisia solanacea* 6176
*Artemisia campestris* 6914
aubergines 315, 6159
*Capsicum* 6159
*Digitalis purpurea* 6159
*Ganoderma lucidum* 9155
*Holarrhena pubescens* 5198
horticultural crops, reviews 39
*Lawsonia inermis* 3089
medicinal plants 9101
onions 6159
*Ophiopogon intermedius* 5208
plants 1693
*Polygonatum* 4514
pomegranates 6275
*Rhaponticum carthamoides* 3106
*Rhaponticum integrifolium* 1684
*Salvia* 617
*Serratula sogdiana* 1684
*Silene scabrifolia* 3027-3028
Solanaceae, reviews 9105
*Solanum* 2439
*Solanum spirale* 626
tomatoes 6159
*Vicia faba* 3423
determination
Solanaceae 7141
*Solanum aculeatissimum* 9206
**Steroids** *cont.*
determination *cont.*
*Yucca aloifolia* 1185
extraction, *Dioscorea prazeri* 9149
metabolism
physiology, *Kallstroemia pubescens* 9167
seasonal variation, *Solanum aculeatissimum* 8109
tissue culture
*Kallstroemia pubescens* 9167
*Smilax zeylanica* 2438
*Thevetia peruviana* 3116
*Yucca gloriosa* 8120
production
cultural methods
*Costus speciosus* 2372
*Dioscorea deltoidea* 2380
*Trigonella foenum-graecum* 6234
tissue culture, *Dioscorea deltoidea* 8053, 9148
responses, carrots 4980
**Sterols**
biosynthesis
*Carnegiea gigantea* 7053
*Costus speciosus* 569
*Euphorbia lathyris* 1783
characterization
*Alisma plantago-aquatica* 6909
*Artabotrys hexapetalus* 1104
*Clerodendrum fragrans* 2366
*Jatropha dioica* 9165
*Lagerstroemia lancasteri* 1653
*Murraya exotica* 3777
*Nepeta tuberosa* 3682
*Urtica dioica* 8117
composition
*Abies spectabilis* 9108
*Adansonia digitata* 533
almonds 2611
*Artemisia absinthium* 1713
*Artemisia anomala* 549
aubergines 315, 5865
*Bauhinia manca* 6919
*Berberis pseudambalata* 553
*Borreria stricta* 555
cauliflowers 1434
*Cirsium vallis-demoni* 6181
*Cirsium wallichii* 6182
*Citrus halimii* 4544
*Clerodendrum* 5179
*Clutia abyssinica* 563
*Coccoloba excoriata* 533
*Cryptoporus volvatus* 3073
*Diploknema butyracea* 5188
*Dodonaea viscosa* 6192
*Echinops echinatus* 6943
*Euphorbia* 5243
*Euphorbia maculata* 3757
*Glycyrrhiza inflata* 6955
*Grewia bicolor* 2387
*Ilex* 2392
*Kochia scoparia* 6962
*Lagenaria breviflora* 589
Liliaceae 1019
*Melia azedarach* 6894
*Momordica cochinchinensis* 3775
*Montanoa tomentosa* 9176
*Ocimum sanctum* 5128
olives 6272
*Origanum dictamnus* 3783
*Paeonia lactiflora* 402
*Panax pseudoginseng* 3786
*Phaseolus vulgaris* 4204
*Piper ribesoides* 6976
*Plectranthus macrocalyx* 1163
*Prosopis glandulosa* 609
*Psychotria adenophylla* 533
*Pterospermum heyneanum* 611
*Rhamnus triquerta* 6224
*Salvia* 617
*Sanguisorba minor* 618
*Schleichera oleosa* 533
*Spatholobus suberetus* 3810
spinach 1434
*Tephrosia candida* 9095
*Tephrosia vogelii* 9096
*Thymus carnosus* 1178
*Unonopsis spectabilis* 9219
*Urtica dioica* 1777
**Sterols** *cont.*
composition *cont.*
*Vernonia elaegnifolia* 635
*Viscum album* 2451
*Voacanga africana* 2452
*Zingiber officinale* 7965
metabolism
biochemistry, *Phaseolus vulgaris* 7643
dormancy, apples 2637
flowering, spinach 8708
fungicides, apples 5469
growth regulators
apples 2637
*Rauvolfia serpentina* 4518
light
peas 2142
spinach 8708
tissue culture
*Helianthus maximiliani* 8000
*Ruta graveolens* 6981
*Thevetia peruviana* 3116
production, tissue culture, *Solanum laciniatum* 3807
***Stevia rebaudiana***
leaves, composition 4533
nutrition, nitrogen 7010
plant
composition 8005
development, slopes 4534
shade, responses 7010
statistical methods, sampling 7009
tissue culture
propagation
cell suspensions 5247
micropropagation 8162
***Stigmella malella***
apples 3966
fruit crops 6420
***Stigmina carpophila***
apricots 1309
peaches 2668
*Prunus* 1328
***Stizolobium*** *(see Mucuna)*
**Stocks** *(see Matthiola)*
**Stomata**
biochemistry
enzymes, *Vicia faba* 3429
light, *Vicia faba* 7649
books 7118
development
assessment, apples 7256
cadmium, *Phaseolus vulgaris* 4903
cultivars, avocados 2487
histology, *Dianthus chinensis* 4351
histology
apples 8466
grapes 5611
medicinal plants 2336
melons 256
olives 6270
Orchidaceae 7909
peas 5805
plants 1899
movements
age, pecans 6506
biochemistry, *Pelargonium zonale* 389
diurnal variation, cocoa 1827
drought, *Cereus validus* 4393
growth regulators
*Spathiphyllum wallisii* 444
*Vicia faba* 2868
humidity, cocoa 1827
lead, peas 4240
light, *Spathiphyllum wallisii* 444
nutrition, apples 71
photoperiodism, *Phaseolus vulgaris* 917
physiology, *Vicia faba* 3428
propagation, carnations 375
water relations
pecans 6506
*Tradescantia virginiana* 5026
physiology
age, tea 9406
boron, broccoli 5688
carbon dioxide, tomatoes 340
diurnal variation, bananas 9312
fruiting, pecans 6504

**Stomata** *cont.*
physiology *cont.*
growth regulators
peas 5805
*Senecio articulatus* 443
*Vicia faba* 5775
irrigation, peaches 6488
light, *Senecio articulatus* 443
pollution
*Bougainvillea spectabilis* 7938
horticultural crops 7149
propagation
carnations 375
woody plants 4434
salinity, avocados 5256
shade, tea 9406
sulphur dioxide, *Vicia faba* 3425
temperature
aubergines 955
vegetables 2083
water relations
*Antirrhinum* 373
cocoa 9326, 9328
olives 8218
ultrastructure, Orchidaceae 4407
**Stone fruits**
diseases
*Agrobacterium tumefaciens* 6417-6418
bacteria, reviews 7210
control, USA 7209
*Pseudomonas syringae* pv. *morsprunorum* 5419
*Pseudomonas syringae* pv. *syringae* 5419
pesticides, application 7209
pests, control, USA 7209
reports, German Federal Republic 14
tissue culture
culture media 7205
propagation, embryos 7205
weed control 7209
**Stooling**
responses, apples 1936, 8458
techniques, pecans 4749
**Storage**
biochemistry
apples 81, 84, 3264
cabbages 240
cherries 92, 1317
cucumbers 257, 1484
grapes 4095
*Litchi* 2531, 4555, 9280
longans 2532
mandarins 3149
mangoes 3882, 4588
mangosteens 2573
melons 906
onions 1419, 2795
oranges 5281
peaches 2682
persimmons 3863
*Piper nigrum* 4445
*Pleurotus ostreatus* 7821
rambutans 2532
tomatoes 4332
*Volvariella volvacea* 2938
*Zingiber officinale* 7964
buildings
apples 5475
bananas 4569
garlic 3357
onions 1418, 7485
containers
lemons 6259
*Litchi* 6265
mandarins 3842
onions 7490
cultivars
apples 81, 1282, 4670, 4705-4706, 6427, 7270
cabbages 4151
carrots 7794
Chinese cabbages 7530
grapes 5614
*Litchi* 4555
mushrooms 4340
onions 188, 2795, 7471-7472
oranges 8202
pears 2687
raspberries 4038

**Storage** *cont.*
diseases
apples 778, 1307, 3246, 3265, 3976, 5480, 6459, 6464, 7244, 7270, 7273, 8485, 8519
*Asparagus* 2881
bananas 7064
*Benincasa hispida* 1472
broccoli 6634
cabbages 6634
*Capsicum* 1522, 6712, 7731
carrots 8930
cauliflowers 6634
cherries 1325
chicory 6610
*Citrus* 1808, 6260
Cucurbitaceae 8765
dates 8209
feijoas 3858
garlic 1409
grapes 8657-8658
kiwifruits 1361
lemons 1807, 7032
lettuces 2821
mandarins 3148
mangoes 9360
mushrooms 4991
onions 188, 1413, 1415, 1418, 1420, 7491
pawpaws 7088
reviews 5329
peaches 1341, 6497
pears 2002, 5480, 6500
plums 1355
pome fruits 1306
pummelos 8207
raspberries 2028
stone fruits 1340, 5500
strawberries 1325
tamarillos 8227-8228
tomatoes 4330, 8919
disorders
apples 65, 81, 83-84, 777, 779, 1300, 1302, 3246, 3969, 3971, 4701, 4708, 4710, 4712, 5470, 5480, 6460, 6462-6464, 7267-7272, 7274, 8516
*Asparagus* 2881
avocados 2503-2505
broccoli 6634
cabbages 6634
*Capsicum* 1522
cauliflowers 6634
celery 6760
cherries 785, 1325, 3271
chicory 6612
Chinese cabbages 3387
cucumbers 1484
*Cucurbita pepo* 2124
Cucurbitaceae 8765
feijoas 3858
grapefruits 1205
grapes 6573
lettuces 7524
nectarines 803, 2680
peaches 2681-2682
pears 810, 4014, 5480, 8564
pineapples 708
pome fruits 1305, 5479
stone fruits 1342, 5500
strawberries 1325
tomatoes 2174
vegetables 2085
reviews 1407
economics
apples 4707
cabbages 6633
humidity
apples 4706, 6461
mushrooms 4340
losses
apples 8518
carrots 7794
*Curcuma longa* 9056
lettuces 6619
mandarins 8518
onions 1415, 1418
oranges 7031
persimmons 3161
pome fruits 5479
vegetables 6583

**Storage** *cont.*
packing
*Asparagus* 2881
*Averrhoa carambola* 4602
cherries 4723
*Citrus* 1808
dates 8209
fruit crops 7196
grapes 6573, 6575, 7439
horticultural crops 8440
*Litchi* 6265
mandarins 8205
mushrooms 4340
okras 4936
persimmons 3160
*Syzygium cumini* 8367
tomatoes 7790
*Vaccinium ashei* 4053
vegetables 6583
pests, avocados 643
physiology
apples 83, 1304, 3263, 3266, 4704-4705, 4710, 5476-5478, 6459, 6461, 6463, 7274
avocados 3263
*Brassica juncea* 4168
cherries 1317, 4723
grapefruits 4549
grapes 7440
horticultural crops 2609
reviews 2502
*Lentinula edodes* 8935
lettuces 7524
mandarins 8205-8206
melons 4197
mushrooms 3520
onions 2095
pawpaws 8307
peaches 2681, 8557
pears 111, 3286, 6500
temperate fruits 3974, 4739
tomatoes 4329
vegetables 4167, 7460, 8673
reviews 2085
watermelons 6663
precooling
broccoli 7559-7560
celery 8691
kiwifruits 1361
lettuces 5676
mushrooms 4340
okras 4936
onions 8691
pears 3285
strawberries 2739
Welsh onions 6592
quality
assessment
pears 8564
pome fruits 6465
tomatoes 8918
vegetables 8673
climate, apples 1302
cultivars
apples 1964, 4707
cherries 1317
feijoas 3858
onions 7486
pears 2007, 8566
*Vaccinium ashei* 4053
cultural methods
apples 1302, 5470
fruit crops, reviews 2459
mushrooms 4991
onions 7488
oranges 8202
tamarillos 8227
desiccants, onions 866
fungicides, grapes 7440
growth regulators
apples 80, 1300, 3246, 3262, 4697
cherries 6476
grapes 1401, 6574, 7440
onions 7486-7488, 8692
harvesting
lettuces 7524
oranges 8202
harvesting date
apples 74, 7269, 7271, 8516
pears 1350, 3285, 8564

**Storage** *cont.*
quality *cont.*
harvesting date *cont.*
plums 8587
pome fruits 5479
tomatoes 7790-7791
*Vaccinium ashei* 4053
insecticides, kiwifruits 3300
irrigation, apples 6464
maturity
apples 3975
*Cucurbita pepo* 2124
onions 4118
tomatoes 3506
morphology, melons 4197
nutrition
apples 6463-6464
cabbages 6625
grapes 7440
jackfruits 7056
kiwifruits 5530, 5532
onions 1413, 7486-7487
pome fruits 6465
provenance, pears 2007
rootstock scion relationships, *Citrus* 1791
salinity, strawberries 7366
seasonal variation, tomatoes 8918
soil water, bananas 7059
temperature, nectarines 803
systems
assessment
apples 3235, 8518
bananas 2549
carrots 360
celery 360
Chinese cabbages 1454
horticultural crops 5413
lemons 6259
mandarins 8518
natsudaidais 9273
okras 4936
onions 7485
cold storage
apples 1965, 2644, 3972-3973, 4705-4707, 4709-4710, 6441, 7269-7270
avocados 2496
broccoli 3386
*Capsicum* 2890, 7730
carrots 7794, 8930
celery 6760
cherries 1317, 4723
Chinese cabbage 3387
*Citrus* 3843
cucumbers 257
*Cucurbita pepo* 2124
dates 8209
feijoas 3858
garlic 3357
horticultural crops 6413
kiwifruits 1361, 3300
mushrooms 4340, 6767
nectarines 2680
onions 7490, 8689
oranges 5281
peaches 2681-2682, 6497
pears 111, 810, 2007, 2687, 3285, 4014, 5514
persimmons 3161
plums 2013
raspberries 2028
stone fruits 1342
temperate fruits 4739
tomatoes 7790
vegetables 2791
controlled atmosphere storage
apples 79, 81-83, 776, 779, 2643, 3969, 3971-3973, 3975, 4701, 4705, 4707-4710, 5475-5477, 6459-6461, 6464, 6466, 7267-7270
reviews 1302
apricots 1966
avocados 2500
bananas 4569
broccoli 885, 3386
cabbages 6633
*Capsicum* 4942
celery 6760

**Storage** *cont.*
systems *cont.*
controlled atmosphere storage *cont.*
cherries 4723
*Cucurbita pepo* 2124
garlic 3357
horticultural crops 1266
kiwifruits 1361
oranges 5281
pears 79, 110, 810, 2007, 4014
persimmons 5289
plums 121, 2013
pome fruits, reviews 1305
tomatoes 4329, 5919
vegetables, reviews 1407
hypobaric storage, apples 2644
sulphur dioxide
dates 8209
grapes 6573, 6575, 8657
temperature
apples 81, 779, 2643, 3969
*Averrhoa carambola* 4602
avocados 2498-2499
*Brassica juncea* 4168
*Capsicum* 7731
cauliflowers 7561
cherries 4723
chicory 6612
grapes 7439, 8657
lettuces 6619
*Litchi* 2531
longans 2532
mandarins 3148
mangosteens 2573
mushrooms 6767
okras 4936
onions 198, 8689
peaches 2681-2682
pears 5479, 8566
*Pleurotus ostreatus* 7821
rambutans 2532
raspberries 4038
stone fruits 1342
tomatoes 4328, 4974
vegetables 4167, 6583
*Zingiber officinale* 7964
treatment
alcohols, *Capsicum* 4942
antioxidants
apples 4708, 7274
*Asparagus* 2881
cucumbers 1484
antitranspirants, *Vaccinium ashei* 4054
arsenic, avocados 3123
ascorbic acid, oranges 3844
bacteria, apples 7273
boric acid, plums 8588
calcium, avocados 3123
calcium carbide, mangoes 8295
calcium chloride
apples 778, 1964, 6459
*Capsicum* 4942
cherries 3271
chicory 3371
cucumbers 257, 1484
feijoas 3858
guavas 2555
kiwifruits 1361
pears 1350
plums 8588
*Ziziphus mauritiana* 5354
calcium nitrate, guavas 2555
chlorine
tomatoes 8919
vegetables 7461
cobalt chloride, pawpaws 8307
formaldehyde, garlic 1409
fungi, apples 7273
fungicides
apples 1307, 2630, 3976, 4711, 8485, 8518
bananas 2548, 7064
*Capsicum* 8425
carrots 8930
*Citrus* 6260
dates 8209
garlic 1409
kiwifruits 1361
lemons 8203-8204
mandarins 8518

**Storage** *cont.*
treatment *cont.*
fungicides *cont.*
peaches 6497
plums 1355, 8588
tamarillos 8227-8228
tomatoes 4328, 4330, 8425
gamma radiation
mandarins 8206
mangoes 3881
mushrooms 4991
oranges 3845
raspberries 2028
growth regulators
apples 7274
bananas 2548
cherries 3271
lemons 8203-8204
mangoes 8295
onions 8690
pawpaws 8307
pears 1350, 8565
plums 8588
*Solanum muricatum* 3865
*Syzygium cumini* 8367
tamarillos 3865
tomatoes 7791
*Vaccinium ashei* 4054
heat
*Citrus* 1808
melons 906, 5744
pears 6500
pummelos 8207
herbicides, *Asparagus* 7705
hydroquinone, oranges 3844
ionizing radiation, horticultural crops 3227
magnesium chloride, apples 778
oils
apples 7274
*Capsicum* 6712
lemons 8203-8204
organic acids, *Syzygium cumini* 8367
potassium permanganate
peaches 8557
tomatoes 7791
silver nitrate, pawpaws 8307
sorbic acid, *Capsicum* 4942
strontium chloride, apples 778
sucrose esters
apples 3972, 4704
pears 4014
vitamin K
oranges 3844
pawpaws 8307
water
pawpaws 7088
tamarillos 8228
tomatoes 2925
waxes
apples 3972, 8518
bananas 2548
lemons 8203-8204
mandarins 3149, 8205, 8518
oranges 7031
pears 1350
ventilation
onions 7490
vegetables 360
wraps
*Brassica juncea* 4168
Chinese cabbages 1454
horticultural crops, reviews 6414
lemons 3840
lettuces 2821
*Litchi* 2531
melons 5744
oranges 7031
pineapples 708
pummelos 8207
tomatoes 4328
vegetables 4167
**Stratiomyidae,** sugarcane 5340
**Straw**
utilization
casing, *Coprinus comatus* 3523
growing media
*Auricularia auricula* 2189
*Coprinus comatus* 3523
*Lentinula edodes* 3527

**Straw** *cont.*
- utilization *cont.*
  - growing media *cont.*
    - mushrooms 4988-4990, 7818
    - *Pleurotus* 3530
    - tomatoes 6731
  - mulches
    - carrots 2934
    - Cruciferae 8728
    - lawns and turf 3583
    - melons 4183
    - okras 4957
    - rhubarb 5846
    - strawberries 829, 2039
    - tomatoes 4957
    - *Zingiber officinale* 9066
  - weed control, apples 7230

**Strawberries**
- cover crops, responses 829
- cultivars
  - assessment
    - Belgium 139, 6522, 7360
    - Bulgaria 7357
    - German Democratic Republic 5552
    - Hungary 1369
    - Netherlands 4766
    - Poland 827, 2726
    - USA 3311
    - USSR 2725, 2731
  - characteristics
    - Canada 1372
    - German Democratic Republic 5554
    - Italy 45
    - Japan 7358
    - Netherlands 4056, 7359
    - USA 2037
    - USSR 828, 4057
  - chilling requirement 4062
  - diseases 1372, 2037, 2726, 4056, 5551, 7358-7359, 8620
  - drought 2723
  - flowering 2721, 2738, 4063
  - flowering date 6523
  - growth 2721
  - herbicides 8616
  - mechanical harvesting 5552
  - nutrition 3314
  - pests 4783
  - planting, seasons 143
  - processing 1370-1372, 2036, 2722, 2724, 7359
  - propagation 1374, 2727-2730, 3312
  - protected cultivation 139, 4766, 7357
  - ripening 7369
  - soilless culture 4101
  - tissue culture 4767
  - winter hardiness 4055
  - X radiation 2042
  - yields 2726-2727, 5553, 5558, 7356
- cultural methods
  - containers 4766, 4771, 6527, 7355
  - France 1880
  - hanging baskets 4766
  - Japan 20
  - Mauritius 7140
  - USSR 142
- defoliation, responses 5552, 7367
- diseases
  - *Botrytis cinerea* 5911, 6397, 6531, 7242
  - *Colletotrichum fragariae* 8620
  - *Phomopsis obscurans* 6530
  - *Phytophthora cactorum* 5566
  - *Phytophthora fragariae* 4781
  - *Pseudomonas solanacearum* 5565
  - *Rhizoctonia solani* 5558
  - *Sphaerotheca macularis* 6397
  - strawberry mottle virus 5551
  - viruses 4782
- drought, resistance, physiology 2723
- flowers
  - development, growth regulators 3316
  - initiation
    - photoperiodism 2041
    - temperature 2738
- forcing 7364

**Strawberries** *cont.*
- frost
  - injuries 5558, 7151
  - protection
    - irrigation 4770
    - materials 4770
    - techniques 8598
  - resistance, bacteria 4769
- fruits
  - abnormalities 4063, 5567
  - composition 8622
  - development
    - biochemistry 147
    - parthenocarpy 148
  - quality, climate 4768
  - ripening
    - cultivars 7369
    - growth regulators 2734, 8623
    - nutrition 2734
    - temperature 2738, 7369
  - set
    - growth regulators 146
    - physiology 2043
  - size
    - climate 6532
    - irrigation 6532
- fungicides, disease resistance 5566, 5911
- growth regulators
  - chlormequat
    - injuries 7335
    - responses 830, 2734
  - IAA, metabolism 146
  - NAA, translocation 831
  - paclobutrazol, responses 830, 2734
- growth retardation, growth regulators 4780
- harvesting, techniques, mechanical harvesting 2705, 3317
- herbicides
  - injuries 5561, 6528, 8616-8617
  - tolerance 5561
  - translocation 6529
- irrigation
  - fertilizers, application 2737
  - requirements, determination 2733, 4779
  - responses 144, 2040, 4770, 6532
  - systems 2732
  - water, salinity 7366
- leaves, composition 8431
- marketing, Europe 7138
- mulching
  - materials 5562, 8617
  - responses 829, 2731, 4770, 5562
- mycorrhizas 5563
- nematicides, injuries 4783
- nutrients, absorption, soilless culture 2736
- nutrition 8618
  - boron 5564
  - calcium 4771
  - magnesium 4771
  - nitrogen 830, 2734, 2737, 3313-3314, 4061, 4771, 7355, 7368, 8619
  - phosphorus 830, 2734, 3313, 4061, 4771, 7355, 7368, 8619
  - potassium 830, 2734, 3313, 4061, 4771, 7355, 7368
  - trace elements 7368
- pests
  - Acari 7140
  - biological control, Italy 179
  - *Ditylenchus dipsaci* 4783
  - *Frankliniella intonsa* 8621
  - insects 7334
  - Longidoridae 4782
  - Nematoda 4773
  - *Tetranychus urticae* 3315
  - *Thrips atratus* 8621
  - *Thrips major* 8621
- photoperiodism 4062
- photosynthesis
  - cultivars 5553
  - growth regulators 4784
  - herbicides 8616
- plant
  - development
    - growth regulators 2734
    - X radiation 2042

**Strawberries** *cont.*
- planting
  - seasons 142-143, 7365, 8614
  - spacing 142, 2040, 5557, 7365
- planting stock
  - lifting 7364
  - production
    - containers 8613
    - techniques 140, 5558
    - tissue culture 2038
  - storage 5558, 7364
  - treatment 6528
- pollen, germination, growth regulators 830
- pollination, pollinators, Apoidea 5567
- pollution
  - acids 4059, 7153
  - ozone 7153
  - radioactive fallout 6510
- processing, cultivars 1370-1372, 2036, 2722, 2724, 4056, 7359
- production
  - Argentina 7204
  - France, books 1880
  - surveys 8612
- protected cultivation
  - cultivars 4766, 7357, 7360
  - diseases 6397
  - disorders 6397
  - energy conservation 6399
  - energy requirements 6402
  - growing media 2735
  - irrigation 7366
  - light 2041
  - mulching 2731, 5559
  - pests 179
  - planting stock 2038
  - pollination 1375
  - rotations 6527
  - soil fumigation 6582
  - systems
    - greenhouses 2735, 6390
    - plastic film 5559
    - plastic tunnels 139, 2731, 5621, 6399
  - temperature 7355
- pruning, systems, root pruning 7367
- reports
  - Cyprus 731
  - France 13
  - German Federal Republic 14, 16, 732, 3215-3216, 3916
  - New Zealand 1892
  - USA 3219
- rotations 8664
- runners
  - production, techniques 1373, 3312, 3316, 5555, 6524, 7361, 7367, 8614
  - storage 2039, 8614
- salinity, responses 7366
- seeds, production, extraction 2790
- shade, responses 6526
- soil aeration, responses 4771
- soil management, systems 5560
- soilless culture
  - growing media 6527
  - nutrient solutions, pH 145
  - nutrition 145, 2736
  - systems
    - hydroponics 6383
    - nutrient film techniques 4101
- storage
  - diseases 1325
  - disorders 1325
  - precooling 2739
- surveys, Chile 3298
- tissue culture
  - propagation
    - anthers 2729
    - meristems 1374, 2038, 2727-2728, 2730, 3312, 4058, 6525, 7362
    - micropropagation 4662, 4767, 5556
    - responses 2041, 7362
    - techniques 141
  - storage 7363
- weed control 177, 4060, 4772-4778, 5560, 8615
- winter hardiness, cultivars 4055

**Strawberries** *cont.*
yields, correlation 5553, 7356
**Strawberry mottle virus,** strawberries 5551
***Strelitzia reginae***
flowers, cytology 1590
seedlings, development, assessment 4363
***Streptocarpus hybridus***
cuttings, types, leaf cuttings 1591
nutrition, nitrogen 1591
***Streptocarpus nobilis,*** flowers, initiation 2219
***Streptomyces***
control
of *Alternaria brassicicola, Brassica* 5689
of *Phomopsis sclerotioides,* cucumbers 8753
of *Pyrenochaeta lycopersici,* tomatoes 8900
**Strontium**
composition
*Bupleurum falcatum* 2353
fungi 4341
melons 6650
watermelons 6650
metabolism
ripening, boysenberries 131
seasonal variation, *Menyanthes trifoliata* 6206
translocation, tomatoes 1541
***Strychnos camptoneura,*** plant, composition 628
***Strychnos gossweileri,*** roots, composition 3812
***Strychnos johnsonii,*** plant, composition 629
***Strychnos nux-vomica,*** plant, composition 5382
***Strychnos staudtii,*** plant, composition 4524
***Strychnos trinervis,*** roots, composition 2442
***Strychnos usambarensis,*** plant, composition 6990
***Strychnos variabilis,*** leaves, composition 1771, 6991
***Sturmiopsis inferens,*** control, of *Chilo,* sugarcane 6344
***Styrax obassia,*** seeds, composition 5230
**Suberin,** metabolism, wounds, peaches 1339
**Subtropical crops,** books, USSR 3911
**Subtropical fruits**
dwarfing, cultural methods 5386
flowers, development, books 7116
production, USSR 5381
storage, quality, cultural methods, reviews 2459
**Succulent plants,** plant, histology 1899
**Suckers,** control, growth regulators, grapes 7410
**Sudan,** antibacterial plants, surveys 6163
**Sugarcane**
conferences 4, 4617
cultivars
anatomy 1868
assessment
Australia 7099
Cuba 1854-1855, 2564-2565, 6327
India 6328
Taiwan 3186
biochemistry 3193
characteristics
Brazil 3187
Mauritius 5332-5333
USA 8325-8326, 9381
diseases 1853, 1855, 3187, 5332-5333, 5344, 6327, 8325-8326, 9381
drought 717, 8324
harvesting date 4590
herbicides 8325
history, Cuba 6329
irrigation 4593, 9387
mixtures 6328
pests 8325-8326, 8336-8337
yields 3185, 5344
cultural methods
China 7117
**Sugarcane** *cont.*
cultural methods *cont.*
mechanization 6331
minimum tillage 713, 8330
Puerto Rico 9379
diseases
*Bipolaris sacchari* 1864, 8333
*Ceratocystis paradoxa* 4595, 5339, 6343
*Glomerella tucumanensis* 1865
grassy shoot 9393
*Puccinia melanocephala* 1866
ratoon stunting 5344
*Xylaria* 1867
drought
resistance, cultivars 8324
responses 3191, 5334
economics, Puerto Rico 9379
flooding 5335
frost, responses 3189
handling
equipment 5347
techniques 3192, 5346
harvesting
economics 5343
harvesting date, assessment 1231
techniques
assessment 2568-2569, 5343
mechanical harvesting 41, 8343
herbicides
application 8328-8329
injuries 1860, 6336
insecticides, application 8342
intercropping 6332, 9385
Leguminosae 4592
*Phaseolus* 6334
*Phaseolus vulgaris* 4207
*Vigna mungo* 9386
*Vigna radiata* 9386
irrigation
frequency 4593, 6340
requirements, determination 5334, 6338, 9387
responses 2567, 2569, 6338, 9388
systems 1861-1862, 6338, 9389
leaves, composition 5337, 7104
monoculture 4594
nematicides, reviews 8334-8335
Nematoda, control, South Africa, reviews 8334-8335
nutrients, absorption, pests 8340
nutrition
calcium 7102
iron 3890
magnesium 7102
manures 714, 3890
nitrogen 1233, 1235, 1859-1860, 1863, 2567, 3188, 3190, 3889, 4592, 5338, 5341, 6339-6340, 7101, 8331, 9386, 9391
reviews 715, 9392
phosphorus 716, 3190, 5338, 6341, 8331, 9386, 9391
potassium 1234, 5337-5338, 6339-6340, 8331, 9391
silicon 8332
sulphur 716, 3191
zinc 3190, 3890
pesticides, application 8328
pests
*Ceratovacuna lanigera* 9396
*Chilo* 6344
*Chilo sacchariphagus* 9394
control
India 8341
reviews 7103
Japan 7179
*Diatraea* 3891
*Diatraea saccharalis* 9397
Lepidoptera 9395
*Meloidogyne incognita* 8338
*Meloidogyne javanica* 8339-8340
Nematoda 8336-8337, 8340
*Opogona sacchari* 8999
*Pratylenchus* 8338
*Pratylenchus zeae* 8339
*Pyrilla perpusilla* 6345, 9398
Scarabaeoidea 6344
*Scirpophaga nivella* 6344
Stratiomyidae 5340
*Tetramoera schistaceana* 9394
**Sugarcane** *cont.*
pests *cont.*
*Urophorus humeralis* 5339
*Vespula pensylvanica* 9399
plant
composition 1858, 8420
vascular system 1868
plant residues
utilization
growing media 8938
mulches 6340
planting
equipment 1857
mechanical methods 1857, 6330, 8327-8328
seasons 1231, 2565, 8339
spacing 1859, 3188
planting stock, production, techniques 8327
processing, quality, temperature 3189
products, alcohols 3189
quality
assessment 6347
nutrition 2567
reports
Colombia 3213
India 4619
USA 8387
rhizosphere, microorganisms 4594
ripening
biochemistry 3193
climate 9384
cultivars 4590
growth regulators 5341-5342
roots, development, soil amendments 7102
rotations 1858-1859, 4592
seedlings, production, protected cultivation 1856
seeds, germination, insecticides 7100
sets
development, flooding 712
treatment 5339, 9382
shoots, composition 4596
soil amendments 6342, 7102
soil compaction, responses 2566
soil management, systems 5336
soil types 712, 2565, 5337, 7101
soil water
drainage 9390
irrigation 9388
responses 5335
tissue culture
propagation
callus 4591
protoplasts 9383
techniques 3867
translocation, biochemistry 1236
water relations
biochemistry 717
physiology 5334
weed control 1232, 1860, 6335-6337, 8329
weeds, allelopathy 6333
yields
correlation 6346, 9380
diseases 5344
seasonal variation 5345
**Sugarcane mosaic virus,** sugarcane 1855, 3187, 8326, 9381
**Sugars**
application, roses 2993
biosynthesis, sugarcane 7104
characterization, *Rheum* 6979-6980
composition
almonds 3946
*Annona squamosa* 1217
apples 1965, 4670
apricots 4715
*Ardisia solanacea* 6176
*Asparagus* 3468
*Baccaurea sapida* 4604
beetroots 7797
*Berberis* 4430
broccoli 2826
Brussels sprouts 4148
*Capsicum* 289, 306, 2888
carrots 356, 5929, 7797
cherries 2655
coffee 7076
*Flacourtia jangomas* 4604

**Sugars** *cont.*
composition *cont.*
grapes 2050, 2081, 2756, 2779, 4068
*Hibiscus syriacus* 1140
Jerusalem artichokes 2813
*Lawsonia inermis* 3089
lettuces 4865
mandarins 3848
mangoes 3946
melons 7581
onions 2096, 2794-2795, 2800, 4118
*Opuntia* 5290
oranges 1809
*Osmunda asiatica* 4400
*Paullinia cupana* 9186
pears 4742
plums 3946, 8572
poinsettias 1636
*Psophocarpus tetragonolobus* 6698
pumpkins 7583
*Salvia potentillifolia* 3801
*Sanguisorba minor* 618
shallots 2794
strawberries 4057
sugarcane 4596
temperate fruits 1272
tomatoes 1526, 2897, 4331, 7739
*Vaccinium corymbosum* 4045
*Vanilla planifolia* 9065
walnuts 5525
*Zingiber officinale* 4446
determination
fruit crops 1267
plants 6378
sugarcane 6347
exudation
coconuts 6300
tomatoes 5464
metabolism
alcohols, cashews 6290
amino acids, grapes 3335
biochemistry
carnations 379
cucumbers 7697
peas 6695-6696, 7697
*Typhonium giganteum* 6696
climate, sugarcane 9384
cultivars, grapes 7412
cultural methods, sugarcane 1858
defoliation
apples 2638, 5451
grapes 6553
tomatoes 342
diurnal variation, lettuces 7524
flowering, olives 7048
fruiting, strawberries 2043
fungicides, onions 4117, 7480
germination
*Euphorbia lathyris* 1783
hazelnuts 8525
Orchidaceae 447
peaches 4730
peas 2139
growth, sugarcane 1235
growth regulators
apples 3254, 8470
apricots 86
aubergines 4971
*Capsicum* 2150
*Cucurbita pepo* 1467
fruit crops 6412
grapes 4813, 6574
peaches 6495
pineapples 2562
plums 8584-8585
sugarcane 5342
tomatoes 4971, 6748
herbicides, carrots 4333
irrigation, *Simmondsia chinensis* 9225
nematicides
aubergines 4971
tomatoes 4971
nitrogen
cabbages 7562
sugarcane 2567
nutrition
apples 4685
apricots 86
bananas 8234

**Sugars** *cont.*
metabolism *cont.*
nutrition *cont.*
grapes 3336, 6561
mandarins 8176
pineapples 2562
plums 8581, 8585
orientation, grapes 7394
photoperiodism
cucumbers 1480
spinach 3367
physiology
apples 7262, 7269, 8460
carrots 2930
cucumbers 3403
grapes 7411, 7437, 8660
guavas 698
*Lansium domesticum* 2576
peas 944
*Phaseolus vulgaris* 5762
pineapples 707
*Simmondsia chinensis* 3121
tomatoes 6719
pollination
almonds 3231
pome fruits 3231
walnuts 1358
potassium, tea 9403
pruning
grapes 7403
peaches 7301, 8544
ripening
*Aegle marmelos* 4601
apricots 6472
bananas 8242
feijoas 3857
grapes 4814
*Litchi* 4555, 7037
mangoes 4588, 7085
melons 2123, 6664
pears 5513, 8563
*Phaseolus vulgaris* 269
strawberries 7369
tomatoes 346, 2172
rooting
apples 5442
*Petunia* 5999
*Pyrus pyrifolia* 8560
rootstock scion relationships, *Citrus* 645, 1791
salinity
Chinese cabbages 2832
tomatoes 969
seasonal variation
carrots 5922
coffee 8263
grapes 4814
*Opuntia ficus-indica* 677
*Simmondsia chinensis* 9225
tea 8361
soil water, grapes 2765
soilless culture, lettuces 218-219
solar radiation, cabbages 7563
spacing, grapes 4792
storage
apples 3264
*Brassica juncea* 4168
*Capsicum* 4942
cherries 1317
*Litchi* 2531, 4555
longans 2532
mangoes 4588
mangosteens 2573
melons 906
oranges 5281
peaches 2682
plums 121
rambutans 2532
*Zingiber officinale* 7964
temperature
cabbages 7563
grapes 2079
walnuts 1357
tissue culture
*Asparagus* 1518
Chinese cabbages 2832
pome fruits 1345
training, grapes 4792, 7394
water relations
*Cucurbita maxima* 898-899
olives 8218

**Sugars** *cont.*
responses
*Kalanchoe blossfeldiana* 7903
pears 811
*Phytolacca americana* 2413
translocation
*Asparagus* 1518
aubergines 7734
beetroots 4840
broccoli 238
celery 2179, 3512
*Coleus blumei* 8825
*Gloriosa carsonii* 2328
*Gomphrena globosa* 1009
grapes 1402
*Iphigenia magnifica* 2328
oranges 1809
peas 4929, 8825
pecans 814
spinach 7500
sugarcane 1236
tomatoes 6719
***Suillia lurida*,** garlic 5633
***Suillus granulatus*,** composition 2190
***Suillus grevillei*,** composition 4341
***Suillus luteus***
composition 4341
ecology, USSR 1556
***Suillus placidus*,** composition 4341
**Sulphates,** metabolism, age, *Capsicum* 299
**Sulphites,** toxicity, spinach 6594
**Sulphur**
absorption
kiwifruits 2021
passion fruits 674
*Vaccinium macrocarpon* 6520
woody plants 4414
composition
bananas 682
cashews 3873
*Lentinula edodes* 3528
melons 6650
vegetables 2086
watermelons 6650
deficiency
cashews 3871
*Hydrangea* 6845
tomatoes 4963
fertilizers, assessment, *Brassica juncea* 6121
metabolism
age, kiwifruits 2021
molybdenum, *Brassica juncea* 7952
mycorrhizas, *Rosa multiflora* 4423
phosphorus
*Brassica juncea* 7952
*Parthenium argentatum* 5246
ripening, boysenberries 131
salinity, *Parthenium argentatum* 5246
seasonal variation, kiwifruits 5529
soil amendments, oranges 6254
soil temperature
cabbages 2167
tomatoes 2167
nutrition
*Adiantum raddianum* 5055
aubergines 4944, 6713
*Brassica juncea* 7952
broccoli 5857
*Capsicum* 5857
cauliflowers 6629
celery 2178
coffee 7074, 8264
dates 9278
garlic 6584
lettuces 1441
*Phaseolus vulgaris* 913
*Simmondsia chinensis* 8135
sugarcane 716, 3191
tea 8354
tomatoes 7761
tropical crops 7074
*Vaccinium angustifolium* 137
requirements
analysis
*Elettaria cardamomum* 7956
*Sechium edule* 3397
toxicity, woody plants 4414
**Sulphur dioxide**
absorption, grapes 6575

**Sulphur dioxide** *cont.*
responses
grapes 8657
*Vicia faba* 4913
toxicity
*Phaseolus vulgaris* 7623-7624
spinach 5649
*Syzygium cumini* 3224
tamarinds 3224
*Vicia faba* 1493
**Supervised control**
*Amorbia cuneana,* avocados 2484
pests, cabbages 4879
*Venturia inaequalis,* apples 7244
**Surfactants**
absorption, tomatoes 2919
responses
foliage plants 2971
pecans 6114
*Photinia fraseri* 6114
*Rhododendron* 6114
*Vaccinium ashei* 6114
**Surveys**
techniques
aerial methods
fruit crops 743
walnuts 743
reflectance, olives 7043
***Swartzia simplex,*** leaves, composition 529
**Sweden**
horticultural crops, marketing 7138
ornamental plants, cultural methods 7827
**Swedes**
books, USSR 1245
cultural methods, minimum tillage 1448
defoliation, growth regulators 239
reports, German Federal Republic 3216
seeds, germination, temperature 3377
**Sweet peas**
breeding, interspecific hybridization 6013
flowers, colour, breeding 6013
growth regulators, gibberellins, composition 279
pods, composition 4360
seeds, composition 279
**Sweeteners**
characterization
*Dioscoreophyllum cumminsii* 2457
*Thaumatococcus daniellii* 2457
composition
*Boscia salicifolia* 8005
*Lippia dulcis* 8005
plants 1693
*Rubus suavissimus* 8005
*Stevia rebaudiana* 5247, 8005
*Tessaria dodoneifolia* 8005
*Thladiantha grosvenorii* 8005
***Sweetia panamensis,*** plant, composition 8005
***Swertia chirata,*** plant, composition 3813, 9213
***Swertia petiolata,*** plant, composition 1772, 3814
***Swertia speciosa,*** plant, composition 6992
**Switzerland**
apples
cultivars 3235, 4672
diseases, control 8482
pests, control 8482
cut flowers, marketing 7833
cut foliage, marketing 7833
endives, cultivars 4862
grapes, diseases, control 1387, 2771
horticultural crops, marketing 7138
pears, cultivars 2685
*Petroselinum crispum,* pests, control 4104
pot plants, marketing 7833
*Pyrus pyrifolia,* cultivars 2685
*Pyrus ussuriensis,* cultivars 2685
temperate fruits
diseases, control 8449
pests, control 8449
vegetables, pests, control 4104
***Symphoricarpos albus,*** characteristics 1662
***Symphoricarpos chenaultii,*** characteristics 1662
***Symphoricarpos doorenbosii,*** characteristics 1662
***Symphoricarpos orbiculatus,*** characteristics 1662
***Symphytum officinale,*** tissue culture, metabolites, production 2443
***Symplocarpus foetidus,*** pollination, physiology 5949
***Synadenium grantii,*** plant, composition 639, 5231
***Synanthedon myopaeformis,*** apples 68, 7253, 8506
***Synclisia scabrida,*** leaves, composition 2444
***Syngonium podophyllum***
cultural methods, pot plants 498, 1030, 5052, 5947, 6055
cuttings, production, techniques 6383
diseases
*Erwinia chrysanthemi* 498
*Xanthomonas campestris* 498
growth retardation, growth regulators 2261
planting stock, production, techniques 445
protected cultivation, diseases 5947
***Synonycha grandis,*** control, of *Ceratovacuna lanigera,* sugarcane 9396
***Syringa,*** cultivars, winter hardiness 4417
***Syringa vulgaris***
breeding, selection 7912
cuttings, sources, etiolation 1032
roots, development, biochemistry 3626
tissue culture, biochemistry 3626
utilization, shelterbelts 100
***Syzygium*** *(see also Eugenia)*
cultural methods, Australia 5069
taxonomy, keys 6363
***Syzygium aromaticum***
antibiotics, persistence 1671
cultural methods, agroforestry 2546
diseases, mycoplasmas 1671
nutrition
nitrogen 6130
phosphorus 6130
potassium 6130
plant, composition 509, 515, 3661, 7970
seeds
production, harvesting 6128
storage, temperature 6129
treatment 6129
yields, correlation 505
***Syzygium cumini***
pollution
factory fumes 3224
research 7149
seeds, composition 6364
storage, treatment 8367
***Tabernaemontana divaricata,*** tissue culture, metabolites, production 630
***Tabernaemontana orientalis,*** tissue culture, metabolites, production 630
***Tabernaemontana pachysiphon,*** tissue culture, metabolites, production 630
***Taeniothrips,*** apples 7247
***Tagetes***
chromosomes 7825
cultivars, biochemistry 2456
plant extracts, application, tomatoes 6744
products, pigments 2456
seedlings
planting, mechanical methods 6381
production, protected cultivation 987
***Tagetes erecta***
breeding, combining ability 4364
cut flowers
production
cultural methods 7855
protected cultivation 393
diseases, fungi 1592
irrigation, water, composition 372
nutrition, nitrogen 7856
pinching, responses 8964
plant, composition 3815, 5154
planting, spacing 8964
seeds
sowing
sowing date 2947
***Tagetes erecta*** *cont.*
seeds *cont.*
sowing *cont.*
spacing 2947, 7856
treatment 1592
soilless culture, nutrient solutions, salinity 6771
***Tagetes filifolia,*** plant, composition 3032
***Tagetes lucida,*** plant, composition 3032, 3815
***Tagetes micrantha,*** plant, composition 3032
***Tagetes minuta,*** plant, composition 3815, 7995, 8001
***Tagetes patula***
allelopathy 1688
cultural methods, Romania 3030
growing media, composition 5025
plant, composition 3815, 7995, 9081
roots, exudates 1688
seedlings, production, growing media 860
***Tagetes tenuifolia***
cultural methods, Romania 3030
plant, composition 3815
**Taiwan**
*Averrhoa carambola,* cultivars 4603
bamboo shoots, production 6762
*Curcuma longa,* cultivars 9053
fruit crops, cultural methods 5386
medicinal plants, surveys 1697
pawpaws, cultivars 7086
sugarcane, cultivars 3186
**Tamarillos**
fruits, maturity, assessment 3865
storage
diseases 8227-8228
treatment 3865, 8227-8228
**Tamarinds**
pollution
factory fumes 3224
research 7149
***Tamarindus*** *(see also* Tamarinds)
***Tamarix,*** landscaping, coastal areas 2264
***Tamarix chinensis,*** plant, composition 1697
***Tamus communis,*** roots, composition 1773
***Tanacetum balsamita,*** plant, composition 2319
***Tanacetum cinerariifolium***
drying, equipment 8003
growth regulators
chlormequat, responses 9094
TIBA, responses 9094
yields, correlation 1084, 8002
***Tanacetum parthenium***
leaves, composition 8114
nutrition 2331
plant, composition 6993
***Tanacetum vulgare***
plant, composition 1077, 6137, 7988
plant extracts, application, *Chrysanthemum frutescens* 7849
propagation, techniques 3816
**Tangelos**
characteristics 9409
fruits, composition 4551
seedlings, development, assessment 3125
**Tangerines** (*see* Mandarins)
**Tangors,** plant, composition 6261
**Tannins**
characterization
*Hippophae rhamnoides* 3320
*Rheum* 6979
*Vaccinium vitis-idaea* 8611
composition
antibacterial plants 6163
*Ardisia solanacea* 6176
*Artemisia* 6913
*Byrsonima crassifolia* 1242
*Calliandra portoricensis* 4480
*Castanea mollissima* 4724
cherries 2655
*Cratoxylum pruniflorum* 1729
*Dryopteris filix-mas* 6156
*Hypericum* 1740
*Laburnum anagyroides* 641
*Lawsonia inermis* 3089
medicinal plants 8004, 9101
*Origanum vulgare* 2303

**Tannins** *cont.*
composition *cont.*
*Osbeckia chinensis* 6212
pawpaws 6316
persimmons 1212
*Petteria ramentacea* 641
*Pistacia lentiscus* 2455
plums 8572
*Polypodium vulgare* 6156
*Sanguisorba minor* 618
*Sanguisorba officinalis* 1769
*Thymus carnosus* 1178
walnuts 3295
*Woodfordia fruticosa* 2458
determination, *Myrtus communis* 6112
metabolism
physiology, guavas 698
ripening
*Aegle marmelos* 4601
persimmons 675-676
seasonal variation, *Senecio nemorensis* 2434
storage, persimmons 3863
responses, *Impatiens balsamina* 400
**Tanzania,** medicinal plants, surveys 3704
***Taphrina deformans***
nectarines 1892
peaches 1985, 1988, 2668, 7295, 8550
*Prunus* 1328
***Tapinanthus bangwensis,*** as weeds, *Cola nitida* 2554
***Taraxacum,*** plant, composition 1090
***Taraxacum officinale***
as weeds
fruit crops 8447
lawns and turf 7886
**Tarragon** (*see Artemisia dracunculus)*
**Taxonomy**
anatomy
Araceae 1024
*Cassia* 5172
Magnoliaceae 1039
*Papaver* 6968
*Rosa canina* 2996
Staphyleaceae 6117
chemotaxonomy
*Aconitum nagarum* 537
*Ageratum conyzoides* 3669
*Aloe* 1098
*Aloe nyeriensis* 433
*Alpinia formosana* 3717
*Annona* 1216
apples 2613
*Artemisia alba* 1064
*Artemisia herba-alba* 3672
bananas 9307
*Brassica* 4146
*Calamagrostis* 1896
*Calamintha nepeta* 1674
citrons 1192
*Citrus* 2523, 4551, 7018
Compositae 7826
*Cymbopogon distans* 7975
*Cymbopogon martinii* 7976
*Elsholtzia ciliata* 513
grapes 6537, 7374
*Justicia pectoralis* 9166
medicinal plants 9103
*Mentha arvensis* 9073
*Mentha piperita* 3680-3681
*Mentha rotundifolia* 7984
*Ocimum gratissimum* 1676
*Oenothera* 9181
*Panax pseudoginseng* 3786
persimmons 6274
*Phaseolus* 6665
Ranunculaceae 739
*Salvia officinalis* 6880
*Sapium* 9200
*Sideritis* 2436
tea 1237, 1869
*Vaccinium* 2715
*Vernonia elaegnifolia* 635
*Vicia* 5770
*Vigna* 6665
*Vitis* 4788, 5571
*Zanthoxylum* 1778
cytotaxonomy, *Fatshedera lizei* 1617
geographical distribution, *Sechium edule* 5705
histology, *Senecio* 6017

**Taxonomy** *cont.*
keys
*Ampelopsis* 5083
*Brassavola* 3611
*Cassia* 5172
*Citrus* 8169
*Fortunella* 9244
*Rubus* 6517
*Stanhopea* 6832
*Syzygium* 6363
*Valeriana* 5239
morphology
*Aloe* 2253
*Astroloba* 2253
*Brassavola* 3611
*Canna* 5041
*Carum carvi* 5104
*Catasetum* 9010
*Citrus* 8169
*Cuminum cyminum* 5104
*Datura* 6188
*Fatshedera lizei* 1617
*Haworthia* 2253
Leguminosae 7615
*Oldenburgia* 2287
Orchidaceae 6831
Tiliaceae 8427
nomenclature
*Begonia manicata* 6800
books 5361
*Castanea* 3998
*Fortunella crassifolia* 9244
*Fortunella obovata* 9244
*Gymnocalycium multiflorum* 441
*Malus sieversii* 4669
*Mentha* 6904
Orchidaceae 6057
*Pelargonium* 6780
*Pouteria lucuma* 3905
*Salvia* 6143
*Saxifraga* 3561
***Taxus baccata,*** soilless culture, growing media 2983
***Taxus mairei,*** plant, composition 1174
***Taxus media***
cuttings
sources, etiolation 1032
storage 464
planting, seasons 2267
planting stock, production, containers 6842
**Tea**
computers, utilization, cultural methods 9400
conferences 8372
cultivars
altitude 6348
assessment
Malawi 3892
USSR 6349
biochemistry 721, 1237, 8361
characteristics
Japan 44, 8345
USSR 8344
diseases 44, 8345
growth 3203
identification 1869
nutrition 3895
photosynthesis 3198, 8359
plucking 3203
tissue culture 6351
winter hardiness 8345
yields 3194
cultural methods
agroforestry 2546
minimum tillage 8347
Sri Lanka 9400
cuttings
production, techniques 3898, 6350
rooting
humidity 9303
mist 3893
seasonal variation 6350
sources, cultural methods 1238
diseases
*Exobasidium vexans* 8357
*Poria hypolateritia* 8358
drought, resistance, physiology 9406
flooding 1239, 1870, 6356

**Tea** *cont.*
frost
protection
sawdust 3195
shelterbelts 3894
growth regulators
brassinosteroids, composition 7190
triacontanol, responses 2570-2571
handling, techniques 1874
insecticides, residues 5402
irrigation
requirements, determination 8351
responses 4598, 6352
systems 6352
leaves
biochemistry
anaerobiosis 3201
temperature 1873
composition 1239-1240, 1869, 3199, 3902, 5351, 6357, 6891, 8361, 9407
physiology 1241, 8360, 9406
quality
environment 3204, 6359
harvesting 5350
nutrition 1872, 3196, 3895-3896, 8356, 9403
mulching
materials 1871, 8347
responses 1871, 8347
nutrition 8350-8351
calcium 6281
magnesium 6354
nitrogen 720, 2572, 3196, 3895-3897, 4599, 6281, 6353-6354, 8353-8356, 9401
phosphorus 3911, 4599, 6281, 8353, 8356
potassium 720, 3899, 4599, 6281, 8353, 8356, 9401-9403
selenium 3900
sulphur 8354
trace elements 1872
overwintering 3894
pesticides, residues, reviews 9405
pests
insects 4600, 6355
*Scirtothrips kenyensis* 3197
*Tetranychus kanzawai* 9404
*Xyleborus fornicatus* 5349
photosynthesis
cultivars 3198, 8359
temperature 1873
plant
biochemistry, water relations 1239
composition 1692
development, altitude 719
planting stock, production, techniques 3893, 7105
plucking 3202-3203, 3901, 3903, 5350, 7106-7107
pollen
composition 6358
tubes, development 3932
pruning
prunings disposal 8348
responses 3903, 8349
systems, assessment 4598, 8344
replanting
cultural methods 8347, 8352
economics 8346
reports, Sri Lanka 8376
respiration, temperature 1873
roots
composition 3199
development
mulching 1871
nutrition 8355
rootstock scion relationships
compatibility 718
yields 718, 3194
salinity, responses 3932
seedlings, development, nutrition 8353
shade, responses 9340, 9406
shoots
anatomy 719
composition 721, 1240, 3204
development
assessment 3901
physiology 8349
reviews 3200

**Tea** *cont.*
snow, responses 3894
statistical methods, analysis, experimental plots 5348
tissue culture
culture media 6351
propagation
callus 6078
micropropagation 6351
training, systems 8344
water relations
flooding 6356
physiology 8360
temperature 1241
weed control 4597
wind, protection 3894
***Teclea nobilis***
leaves, composition 6230
plant, composition 4525
***Teclea simplicifolia,*** leaves, composition 5232
***Telenomus,*** control, of *Orgyia postica,* cocoa 9324
***Telenomus dignoides,*** control, of *Scirpophaga nivella,* sugarcane 6344
***Telfairia occidentalis***
irrigation, frequency 3396
mulching, responses 7597
seeds
composition 258
production, cultural methods 3396
weed control 7597
**Temperate fruits**
computers, utilization 5417
conferences 1882, 8370
cultivars, training 46
cultural methods, tropics, conferences 730
diseases
control
German Democratic Republic 8423
Switzerland 8449
dormancy, growth regulators 1905
frost, protection, techniques 7207
fruits, development, growth regulators, reviews 3230
harvesting, techniques, mechanical harvesting 2610
irrigation, fertilizers, application, reviews 6416
nurseries, cultural methods 3942
nutrients, requirements, analysis 6372
pesticides, application 7254
pests
Acari 7211
control
German Democratic Republic 8423
Switzerland 8449
plant, development, phenology 744
production, France 1270
reports, USA 3219
soil management, systems 3942
storage, quality, cultural methods, reviews 2459
tissue culture
propagation
micropropagation 4627
reviews 4662
techniques 3922
weed control 3942, 8449
weeds, surveys, German Democratic Republic 7208
**Temperature** (*see also* Cold; Frost; Heat; Soil temperature)
responses
biochemistry
grapefruits 4549
grapes 2079
*Holarrhena floribunda* 3769
medicinal plants 9099
pawpaws 703
peas 944, 6693
*Simmondsia chinensis* 8142
tea 1873
*Thalictrum minus* 633
tomatoes 1535
dormancy
apples 56, 6452
apricots 6471
**Temperature** *cont.*
responses *cont.*
dormancy *cont.*
grapes 155, 2776, 4806
nectarines 6493
plants 1902
temperate fruits 771
walnuts 771
flowering
almonds 7216
*Anemone coronaria* 404
apples 8512
atemoyas 4563
avocados 2489-2490, 2497, 7014, 8163
carnations 5954
cauliflowers 2833, 3384
Chinese cabbages 3383
chrysanthemums 1563, 1576-1577, 2208, 3547
*Cymbidium* 449
*Gerbera* 384
globe artichokes 208
*Gypsophila paniculata* 6012
*Ixiolirion tataricum* 1609
kiwifruits 2020
*Lilium longiflorum* 1604
*Litchi* 6264
*Meconopsis betonicifolia* 401
nectarines 6493
ornamental plants 5943
passion fruits 674
*Pelargonium* 1000, 1580, 6782
*Phalaenopsis* 450
*Rhododendron* 3632
roses 1046, 6098
*Saintpaulia* 2945
spinach 4861
strawberries 2738
tulips 1606
*Vaccinium* 2035
*Vaccinium ashei* 138
*Vicia faba* 5778
woody plants 1037
fructification, *Pleurotus citrinopileatus* 7820
fruiting
apples 72, 1959, 6431, 7264, 8512
atemoyas 4563
avocados 2497
cocoa 9331
oil palms 9368
oranges 9269
peaches 802
plums 2012
strawberries 2738
tomatoes 4953, 7747
germination
endives 4863
lettuces 4868-4869
melons 4889
*Oenanthe javanica* 7811
Palmae 6099
*Panax pseudoginseng* 8086
radishes 6636
*Sorbus hupehensis* 5100
vegetables 6577
growth
*Agaricus bitorquis* 3521
*Allium* 5646
*Anemone blanda* 2222
*Annona* 679
bedding plants 987
broccoli 230
cabbages 4152
celery 2177
chrysanthemums 248, 1564, 1570, 1574, 1576-1577
cocoa 3170
cucumbers 248, 2117, 2119, 2837, 3402
*Cucurbita maxima* 246
*Dieffenbachia maculata* 1027
*Eranthis hyemalis* 2222
foliage plants 2970, 5052, 6049, 7891, 8996
grapes 852
*Gypsophila paniculata* 6012
*Impatiens walleriana* 392
*Ixiolirion tataricum* 1609
**Temperature** *cont.*
responses *cont.*
growth *cont.*
*Lentinula edodes* 3521
lettuces 1437, 1439, 4142, 4319, 7516, 7519
*Lilium longiflorum* 2229
*Litchi* 6264
*Nephrolepis exaltata* 6054
onions 196, 198
oranges 3129
ornamental bulbs 6804
ornamental plants 5943
passion fruits 674
peas 273
*Phaseolus vulgaris* 1491, 4224, 4907, 6676
planting stock 6842
*Pleurotus* 3521
pot plants 2247, 6049
*Rhododendron* 2990
roses 4422, 6098
*Saintpaulia* 2945
*Salvia splendens* 392
*Syngonium podophyllum* 1030
tomatoes 1535, 4311, 6722, 6746, 7753, 7784
vegetables 987
nutrition
cucumbers 2119
passion fruits 674
tomatoes 2166, 7769
*Vicia faba* 6683
photosynthesis
cucumbers 2849, 5825-5827
kiwifruits 5534-5535
peas 5825-5827, 7679
radishes 7567
spinach 2806
succulent plants 6828
physiology
apples 1955, 3967-3968, 5473
*Begonia cheimantha* 8971
carnations 5984
carrots 4337
cauliflowers 7543
*Cephaelis ipecacuanha* 2364
*Cinchona* 2364
*Clematis* 5086
coffee 1001
cucumbers 5825-5827
*Cymbidium* 7911
grapes 2078, 2776
greenhouse crops 5390
*Ixora coccinea* 3643
kiwifruits 2022
*Macadamia* 663
melons 905
peas 5825-5827
*Phaseolus vulgaris* 908, 1492, 5764, 7644
plants 1914
radishes 7567
*Saintpaulia* 1001-1002
tea 1873
tomatoes 2174, 4969, 4974
*Vaccinium* 4052
respiration, tomatoes 8904
ripening
apples 7276
bananas 1218
grapes 6546, 7374
nectarines 803
strawberries 7369
sugarcane 9384
tomatoes 3507, 7789
rooting
*Codiaeum variegatum* 2249
foliage plants 6826
kiwifruits 124
water relations
cocoa 9328
container grown plants 2280
tea 1241
yields
*Cucurbita pepo* 3395
peas 945
***Tenuipalpus pacificus,*** Orchidaceae 9021
**Tephritidae**
*Capsicum* 7140
horticultural crops, conferences 4614

**Tephritidae** *cont.*
melons 7140
pawpaws 7140
watermelons 7140
***Tephrosia candida,*** seeds, composition 1774, 9095
***Tephrosia vogelii,*** fruits, composition 9096
***Terfezia claveryi,*** composition 5939
***Terminalia alata,*** plant, composition 3122
***Terminalia arjuna,*** plant, composition, reviews 2445
***Terminalia macroptera,*** flowers, composition 5233, 6994
**Terpenoids**
biosynthesis
calamondins 5279
*Euphorbia* 638
*Euphorbia lathyris* 1783
grapes 36
*Pogostemon cablin* 516
*Rauvolfia serpentina* 1167
*Salvia officinalis* 6137
*Stanhopea anfracta* 453
*Tanacetum vulgare* 6137
*Vetiveria zizanioides* 4462
characterization
*Aconitum septentrionale* 9109
*Aconitum subcuneatum* 1097
*Actinostemma lobatum* 3045
*Aesculus indica* 1081, 8018
*Aglaia roxburghiana* 3715
*Agrimonia pilosa* 2340
*Alpinia formosana* 3717
*Alpinia galanga* 8021
*Alpinia japonica* 2344
*Ambrosia artemisiifolia* 1100
*Ambrosia confertiflora* 9084
*Anagallis arvensis* 3048
*Annona reticulata* 8231
*Araucaria araucana* 7922
*Arcangelisia flava* 5161
*Ardisia crispa* 1711
*Artemisia absinthium* 3051
*Artemisia pallens* 3014
*Astragalus orbiculatus* 3725
*Astragalus quisqualis* 1109
*Astragalus tragacantha* 3726, 6917
*Azadirachta indica* 6892
*Baccharis artemisioides* 3728
*Calendula arvensis* 8034-8035
*Calophyllum soulattri* 3733
*Cassine balae* 3752
*Cedronella canariensis* 1645
*Chrysanthemum pectinatum* 8044
*Coleus edulis* 1726
*Cornus capitata* 6185
*Crocosmia crocosmiiflora* 8986
*Croton crassifolius* 4487
*Cucurbita foetidissima* 5148
*Cyperus articulatus* 2376
*Euphorbia acaulis* 6948, 8063
*Euphorbia maculata* 3757
*Euphorbia supina* 1734
*Ferula jaeschkeana* 1133
*Ganoderma lucidum* 580, 5194, 6197, 8071
*Illicium majus* 4498
*Jatropha dioica* 9165
*Kaempferia galanga* 1743
*Lagerstroemia lancasteri* 1653
*Lansium domesticum* 2575
*Larrea tridentata* 2393
*Ligularia thomsonii* 3772
limes 4553
*Lonchocarpus cyanescens* 3091
*Maprounea guianensis* 2396
*Maytenus horrida* 592
*Nardostachys chinensis* 1152, 3094
*Nepeta tuberosa* 3682, 6966
*Nerium oleander* 1656, 9179
*Onopordum tauricum* 6967
*Origanum majorana* 5129
*Parthenium hysterophorus* 1757
*Peucedanum* 6216
*Phaseolus vulgaris* 5747
*Phellodendron amurense* 6971
*Plectranthus* 9192
*Plectranthus inflexa* 2417
*Plectranthus latifolius* 604
*Plectranthus macrocalyx* 1163-1164
*Pogostemon auricularis* 9193

**Terpenoids** *cont.*
characterization *cont.*
*Polygala japonica* 606
*Pterospermum heyneanum* 611
*Pygmaeopremna herbacea* 5217
*Quassia multiflora* 1767
*Randia dumetorum* 3026
*Salvia cardiophylla* 3800
*Salvia keerlii* 3700
*Salvia miltiorrhiza* 2428
*Salvia przewalskii* 2429
*Salvia texana* 6983
*Schisandra propinqua* 9202
*Solidago chilensis* 8111
*Spiraea japonica* 8112, 9210
*Stachys officinalis* 3811
*Stemodia maritima* 9211
*Stevia rebaudiana* 4533
*Swertia petiolata* 1772
*Tanacetum parthenium* 8114
*Taxus mairei* 1174
*Thalictrum squarrosum* 1177
*Tinospora cordifolia* 9217
*Tinospora malabarica* 7000
*Tricholoma saponaceum* 3117
*Tripterygium regelii* 3821
*Tripterygium wilfordii* 1181
*Vanillosmopsis arborea* 9080
composition
*Aconitum napellus* 1096
*Adansonia digitata* 533
*Aglaia odoratissima* 541
*Agrostistachys hookeri* 9114
*Alangium lamarckii* 8019
*Alisma plantago-aquatica* 5159
*Anagallis arvensis* 8022
*Andromeda polifolia* 1643
*Annona reticulata* 6282
*Artemisia absinthium* 1106, 4451
*Artemisia afra* 5111
*Artemisia annua* 3723-3724, 4478
*Artemisia argyi* 1106
*Artemisia caerulescens* 3712
*Artemisia campestris* 6914
*Artemisia dracunculus* 8027
*Artemisia herba-alba* 3672
*Asphodeline anatolica* 6915
*Astragalus schachirudensis* 6916
atemoyas 4564
aubergines 5865
*Azadirachta indica* 9085
*Boswellia neglecta* 7969
*Boswellia sacra* 1673
*Calamintha nepeta* 1716
*Calamintha sylvatica* 3712
*Calendula officinalis* 5167
*Canarium* 1093
*Canella winterana* 5171
*Carum carvi* 2307
cashews 3873
*Cassia javanica* 8038
*Centaurea pallescens* 2360
*Chamaemelum fuscatum* 5112
*Chamomilla suaveolens* 1724
*Cigarilla mexicana* 6930
*Cirsium* 3068
*Citrus bergamia* 1065
*Citrus halimii* 4544
*Citrus nobilis* 1199
*Cleistopholis glauca* 9137
*Clutia abyssinica* 563
*Cnicus benedictus* 564
*Coccoloba excoriata* 533
*Codonopsis lanceolata* 6932
coffee 4581
*Commiphora* 7969, 7974
*Conyza canadensis* 6871
*Copaifera* 4485
*Croton laccifer* 2373
*Cucurbita maxima* 4192
*Cymbopogon distans* 7975
*Cymbopogon martinii* 4454, 7976
*Cymbopogon proximus* 571
*Diospyros* 6191
*Diospyros nicaraguensis* 6941
*Diploknema butyracea* 5188
Dipterocarpaceae 1093
*Dracocephalum nutans* 7978
*Echinops echinatus* 6943
*Elsholtzia ciliata* 513
*Elsholtzia polystachya* 5115

**Terpenoids** *cont.*
composition *cont.*
*Erigeron karvinskianus* 6140
essential oil plants 2305
*Eugenia javanica* 5116
*Eupatorium cannabinum* 1130
*Euphorbia tirucalli* 3758
*Euptelea polyandra* 8064
*Ferula calcarea* 3080
*Ferula jaeschkeana* 5117, 9154
*Ferula kopetdaghensis* 3081
*Ferula orientalis* 8067
figs 3296
*Garcinia huillensis* 3083
*Gardenia jovis-tonantis* 4494
*Glycyrrhiza inflata* 6955
grapes 4094, 8659
*Grewia bicolor* 2387
guavas 697
*Gymnema sylvestre* 9108
*Hedera nepalensis* 6958
*Hedera taurica* 9158
*Hedychium spicatum* 1138
*Helenium amarum* 1082
*Hyptis pectinata* 5118
*Ichnocarpus frutescens* 5199
*Ilex* 2392
*Juniperus* 5109
*Juniperus communis* 5122
*Juniperus foetidissima* 514
*Lactarius vellereus* 2194
*Laserpitium latifolium* 8077
*Lavandula stoechas* 3678
*Lawsonia inermis* 3089
*Ledum palustre* 6876
lettuces 2820
*Lippia adoensis* 1745
*Lippia graveolens* 2403
*Maytenus boaria* 1148
medicinal plants 9101
*Melaleuca leucadendron* 7981
*Mentha* 1067
*Mikania urticifolia* 5206
*Monodora myristica* 7967
*Montanoa gigas* 1149
*Montanoa tomentosa* 2403, 9176
*Mortonia diffusa* 9177
*Myrianthus arboreus* 1151, 2406
*Nardostachys chinensis* 4505, 5207
*Nepeta hindostana* 6209
*Ocimum sanctum* 3683
oil palms 5326
*Ononis pubescens* 3712
*Origanum compactum* 4507
*Origanum dictamnus* 3783
*Origanum majorana* 2316
*Otanthus maritimus* 5209
*Paramichelia baillonii* 9185
*Parthenium hysterophorus* 8093
*Pedicularis pectinata* 5213
*Penstemon hirsutus* 6969
*Peperomia rotundifolia* 8094
*Perezia longifolia* 6970, 9187
pesticidal plants, reviews 9082
*Pittosporum phillyraeoides* 3791
plants 36
*Platanthera stricta* 1628
*Plectranthus macrocalyx* 605
*Poa huecu* 1165
*Psychotria adenophylla* 533
pummelos 9277
*Rhanterium epapposum* 5132
*Rhus typhina* 1660
*Rosa* 1639
*Rosmarinus* 1074
*Rosmarinus officinalis* 1075
*Rubus* 2426
*Salvia* 617, 1169
*Salvia cardiophylla* 6982
*Salvia lavandulifolia* 1076
*Salvia pisidica* 5221
*Salvia potentillifolia* 3801
*Salvia triloba* 6145
*Santolina* 7987
*Sapium* 9200
*Saussurea amurensis* 6984
*Schleichera oleosa* 533
*Scoparia dulcis* 3109
*Scutellaria lateriflora* 8106
*Senecio pendulus* 1083
*Sideritis* 2435

**Terpenoids** *cont.*
composition *cont.*
*Sideritis scardica* 3689
*Swertia petiolata* 3814
*Synadenium grantii* 639
*Tanacetum vulgare* 1077
*Tetradenia riparia* 2446
*Teucrium* 6231
*Teucrium polium* 6996
*Thalictrum* 3818
*Thapsia garganica* 5248
*Thymus carnosus* 1178
tomatoes 4326
*Trigonella monspeliaca* 6896
*Unonopsis spectabilis* 9219
Valerianaceae 5152
*Vernonia elaegnifolia* 635
*Vitex trifolia* 5118
walnuts 3295-3296
*Warburgia* 6239
woody plants 5074
*Xylopia aethiopica* 7967
*Zingiber officinale* 507
determination
Compositae 3711
essential oil plants 7968
*Helenium* 5196
extraction, *Artemisia annua* 2346
metabolism
age, *Cannabis sativa* 6177
orientation, grapes 7394
ripening
guavas 9350
mangoes 3882
seasonal variation
*Laurus nobilis* 3016
*Mentha arvensis* 9073
*Salvia officinalis* 6883
*Thymus carnosus* 519
tissue culture
essential oil plants 6868
plants 6868
sapodillas 1852
*Trachyspermum ammi* 6886
wounds, *Lactarius* 1557
production
tissue culture
*Artemisia annua* 548
grapes 1384
*Helianthus maximiliani* 8000
plants, reviews 2606
sapodillas 6326
taxonomy
*Aconitum nagarum* 537
tea 1869
***Tessaria dodoneifolia,*** plant, composition 8005
***Tetradenia barberae,*** leaves, composition 631
***Tetradenia riparia,*** leaves, composition 2446
***Tetradium glabrifolium,*** plant, composition 8115
***Tetradium ruticarpum,*** fruits, composition 9214-9215
***Tetramoera schistaceana,*** sugarcane 9394
**Tetranychidae**
apples 1950
vegetables 181
***Tetranychus,*** apples 772
***Tetranychus cinnabarinus,*** aubergines 7733
***Tetranychus kanzawai,*** tea 9404
***Tetranychus ludeni,*** okras 8844
***Tetranychus mcdanielli,*** apples 7245
***Tetranychus urticae***
apples 4689, 7246
black currants 7339
*Capsicum baccatum* 2884
cucumbers 252, 7605
*Gerbera* 6779, 8956
grapes 3214, 8639
greenhouse crops 7189, 7456, 7458
*Hedera helix* 7924
hops 522
ornamental plants 17, 7189
pawpaws 4589
peaches 5495
poinsettias 470
raspberries 822, 7339
red currants 7339
roses 8956
***Tetranychus urticae*** *cont.*
*Solanum aethiopicum* 973
stone fruits 800
strawberries 3315
vegetables 180
***Tetranychus viennensis,*** apples 3250
***Tetrapleura tetraptera,*** fruits, composition 1775, 6148
***Tetrastichus schoenobii,*** control, of *Scirpophaga nivella,* sugarcane 6344
***Teucrium chamaedrys,*** plant, composition 6995
***Teucrium hyrcanicum,*** plant, composition 3817
***Teucrium polium***
leaves, composition 1175, 4526
plant, composition 6996
***Teucrium pumilum,*** plant, composition 6231
***Teucrium salviastrum,*** plant, composition 6231
***Teucrium turredanum,*** plant, composition 6231
**Thailand**
apples, cultivars 1276
medicinal plants, surveys 1698
***Thalictrum collinum,*** plant, composition 3114
***Thalictrum cultratum***
plant, composition 1176
roots, composition 632
***Thalictrum dipterocarpum,*** tissue culture, biochemistry 3115
***Thalictrum flavum,*** tissue culture, biochemistry 3115
***Thalictrum foetidum,*** plant, composition 3818
***Thalictrum foliolosum,*** plant, composition 9098
***Thalictrum glandulosissimum,*** plant, composition 2447
***Thalictrum minus***
plant, composition 3818, 5234
tissue culture
biochemistry 633
metabolites, production 6997, 8116
***Thalictrum rugosum,*** tissue culture, metabolites, production 6998
***Thalictrum sessile,*** plant, composition 6999
***Thalictrum squarrosum,*** plant, composition 1177
***Thanatephorus cucumeris,*** mycorrhizas, Orchidaceae 4406, 9020
***Thanatephorus pennatus,*** mycorrhizas, *Calypso bulbosa* 9019
***Thapsia garganica,*** roots, composition 5248
***Thaumatococcus daniellii,*** fruits, composition 2457
***Thea*** (*see also* Tea)
***Thelycrania alba*** (*see Cornus alba)*
***Thelymitra,*** mycorrhizas 9017
***Theobroma*** (*see also* Cocoa)
***Thevetia peruviana***
flowers, senescence 3651
tissue culture
biochemistry 3116
culture media 9120
***Thielaviopsis, Cyclamen*** 434
**Thigmotropism,** *Phaseolus vulgaris* 920
***Thinouia coriacea,*** plant, composition 2454
**Thiocyanates**
composition, kale 5698
physiology, Cruciferae 4875
**Thiophenes,** composition, *Chaenactis douglasii* 3112
***Thladiantha grosvenorii,*** plant, composition 8005
***Thomomys talpoides,*** apples 1954
***Thottea grandiflora,*** plant, composition 5156
***Thrinax morrisii,*** seeds, germination, temperature 6099
**Thripidae,** vegetables 308
***Thripobius semiluteus,*** control, of *Heliothrips haemorrhoidalis,* avocados 7013
***Thrips atratus,*** strawberries 8621
***Thrips carthami,*** apples 7247
***Thrips flavus***
apples 7247, 8507
fennel 6131
***Thrips major,*** strawberries 8621
***Thrips simplex, Gladiolus*** 2951
***Thrips tabaci***
Cruciferae 7527
cucumbers 896
garlic 2090
onions 2090, 5643, 7479
peas 7673
***Thuja,*** pruning, systems, assessment 2269
***Thuja occidentalis***
landscaping, USSR 6082
plant, composition 9216
planting, seasons 2267
***Thuja orientalis,*** plant, composition 3040, 4474, 9083
***Thuja plicata,*** planting stock, production, containers 463
***Thunbergia fragrans,*** leaves, spectral data 6825
***Thymbra spicata***
plant
composition 532
morphology 532
***Thymus,*** plant, composition 6164
***Thymus capitatus***
irrigation, responses 518
nutrition, trace elements 6232
plant, composition 6901
***Thymus carnosus,*** plant, composition 519, 1178
***Thymus collinus,*** plant, composition 6885
***Thymus coriifolius,*** plant, composition 3018
***Thymus fedtschenkoi,*** plant, composition 6885
***Thymus fominii,*** plant, composition 3662
***Thymus hadzhievii,*** plant, composition 3662
***Thymus hyemalis,*** plant, composition 1681
***Thymus kotschyanus,*** plant, composition 6885
***Thymus marschallianus,*** plant, composition 3018
***Thymus serpylloides,*** plant, composition 7989
***Thymus tiflisensis,*** plant, composition 3018
***Thymus transcaucasicus,*** plant, composition 3018, 6885
***Thymus trautvetteri,*** plant, composition 3662
***Thymus vulgaris***
cultural methods, Romania 3030
harvesting, harvesting date, assessment 7966
plant, composition 7970, 8004
***Thyronectria pseudotrichia,*** avocados 2476
**Thysanoptera**
apples 8507
grapes 8640
***Thysanopyga intractata, Ilex*** 6843
***Tiarella cordifolia,*** as ground cover plants, assessment 7823
***Tigridia pavonia,*** flowers, histology 8967
***Tilia***
herbicides, tolerance 6070
landscaping, urban sites 6065-6066
weed control 6070
***Tilia cordata***
cuttings, sources, etiolation 1032
landscaping, roadsides 457
seeds, treatment 499
***Tilia europaea***
landscaping
roadsides 457
USSR 458
nectar 3620
seeds, composition 1179, 6233
***Tilia platyphyllos***
nutrients, requirements, analysis 3652
seeds, composition 1179
shoots, development, defoliation 4424
***Tilia tomentosa***
breeding, selection 7912
diseases, *Nectria cinnabarina* 1631
seeds, composition 1179

**Tiliaceae,** taxonomy, morphology 8427
***Tinospora cordifolia,*** plant, composition 1704, 5235, 9217
***Tinospora malabarica,*** plant, composition 5236, 7000
***Tirmania nivea,*** composition 5939
***Tirmania pinoyi,*** composition 5939
**Tissue culture**
bibliographies 1
biochemistry
*Ailanthus altissima* 6907
apples 1252
*Asclepias syriaca* 4531
aubergines 3486
*Berberis* 3069
*Berberis wilsoniae* 1715
blackberries 5540
*Bupleurum falcatum* 5150
*Calotropis* 9130
carnations 377
carrots 4981, 5925, 5927, 5930, 6757-6758, 7805-7806
*Catharanthus roseus* 558, 560, 1720, 1722, 3065, 3736, 5150, 6179-6180
*Centaurium erythraea* 4483
*Chenopodium rubrum* 4448
cherries 788
coffee 5305
*Colchicum autumnale* 6184
*Coptis japonica* 3069, 5180
*Coronilla varia* 5181
*Corydalis* 566
*Datura fastuosa* 3747, 5150
*Digitalis purpurea* 1732
*Eschscholzia californica* 3077
essential oil plants 6868
figs 1982
*Gardenia jasminoides* 5150
*Glycyrrhiza echinata* 3086
grapes 2761
*Holarrhena floribunda* 3769
*Kallstroemia pubescens* 9167
*Lithospermum erythrorhizon* 5150, 6204
*Mallotus japonicus* 5150
*Mirabilis jalapa* 3025
*Ochrosia elliptica* 1154
oranges 3146
*Panax pseudoginseng* 597, 9182
*Perilla frutescens* 5150
*Petunia* 5999
*Phalaenopsis* 6836
*Phaseolus vulgaris* 4231, 8783
plants 6166, 6868
plums 1252
*Rauvolfia serpentina* 3796, 5219
*Rheum palmatum* × *Rheum coreanum* 3798
roses 7934
sapodillas 1852
*Senecio vulgaris* 8108
*Syringa vulgaris* 3626
*Thalictrum dipterocarpum* 3115
*Thalictrum flavum* 3115
*Thalictrum minus* 633
*Thevetia peruviana* 3116
tomatoes 2917, 8908, 8910
*Trachyspermum ammi* 6886
*Vicia faba* 924
*Yucca gloriosa* 8120
books 3915, 5362-5363
conferences 4612
horticultural crops 3210
culture media
*Anisodus acutangulus* 545
apples 3276, 4676, 7226
*Aranda* 5065, 7907
*Artemisia dracunculus* 4443
*Asclepias curassavica* 9120
*Asparagus* 281, 1518
aubergines 1524
bananas 4566
books 5360
*Camellia japonica* 6078
*Capsicum* 7715
carnations 375
carrots 5930
*Catharanthus roseus* 1719
cauliflowers 3545
chestnuts 2666

**Tissue culture** *cont.*
culture media *cont.*
Chinese cabbages 228
chrysanthemums 3545
*Cinchona ledgeriana* 6931
*Colchicum autumnale* 6933
*Cordyline fruticosa* 3422
*Corydalis cava* 2371
cucumbers 6661
*Cymbidium* 2262, 6059
*Cymbidium kanran* 6058
*Cyrtopodium* 9016
dates 659
*Datura stramonium* 2378
*Ficus pumila* 3272
garlic 2088, 5632
*Gerbera* 5992
grapes 843, 6563, 7389
*Hyoscyamus niger* 3770
*Impatiens walleriana* 2217
*Iris sibirica* 4456
*Kalanchoe blossfeldiana* 7903
*Kalanchoe daigremontiana* 1618
lemons 1806
lettuces 221
*Lilium longiflorum* 7864
longans 6267
*Lycium barbarum* 9173
*Magnolia* 3627
*Mirabilis jalapa* 3025
*Nephrolepis exaltata* 3598
olives 9289
Orchidaceae 3609
pawpaws 1224
peaches 5491
peaches × almonds 3276
*Pelargonium zonale* 3550
*Peltophorum pterocarpum* 3648
*Phalaenopsis* 3607
*Phytolacca americana* 2413-2414
plants 1254
pome fruits 1345
raspberries 2714
*Rauvolfia serpentina* 3105, 8100
*Rheum palmatum* × *Rheum coreanum* 3798
*Rosa damascena* 5134
roses 2276
sapodillas 6326
*Senecio hybridus* 7853
*Solanum xanthocarpum* 3809
*Stephania cepharantha* 9212
stone fruits 7205
strawberries 4058, 4767
*Symphytum officinale* 2443
*Tabernaemontana* 630
tea 6078, 6351
*Thevetia peruviana* 9120
woody plants 3616
*Zizania latifolia* 983
*Ziziphus sativa* 7108
cytology
grapes 165
Jerusalem artichokes 7508-7509
*Lilium longiflorum* 6032
disorders
apical necrosis, avocados 2466
vitrification
*Artemisia dracunculus* 2299
avocados 2466
melons 4890
*Prunus tenella* 4439
roses 2276
embryogenesis
*Aconitum carmichaelii* 6169
*Allium carinatum* 8985
*Angelica sinensis* 544
apples 8468
bananas 5294
*Begonia fimbristipula* 6802
*Brassica carinata* 8719
cabbages 5681
*Camellia* 6079
carrots 4981, 7800, 7804, 7806
*Cercis canadensis* 5085
*Citrus* 1792, 7021
dates 658-659, 2526
horticultural crops 2589
*Iris pumila* 4373
longans 6266-6267
*Panax pseudoginseng* 8084

**Tissue culture** *cont.*
embryogenesis *cont.*
*Panax quinquefolius* 8088
pecans 7318
poinsettias 740
*Saintpaulia* 1003
*Sideritis angustifolia* 9205
*Simmondsia chinensis* 9222
sugarcane 4591
explants
sources
*Begonia hiemalis* 8969
*Capsicum* 2885
carnations 5001
chrysanthemums 4355
*Cyclamen persicum* 4369
*Galanthus elwesii* 3575
grapes 844
hyacinths 6028
mangosteens 9410
*Ochrosia elliptica* 1154
olives 665
ornamental bulbs 5028
ornamental plants 3535
*Polianthes tuberosa* 6822
*Symphytum officinale* 2443
tomatoes 3535
tulips 4376
histology
apples 58
cabbages 1450
dates 658
*Liquidambar styraciflua* 2286
tomatoes 971
metabolites
production
*Anisodus acutangulus* 545
*Artemisia annua* 548
*Atropa belladonna* 9123
*Capsicum* 2886
*Catharanthus roseus* 559, 1719, 1721, 1723, 2359, 3063, 6928-6929, 8040
reviews 3062
*Cephaelis ipecacuanha* 8042
*Chenopodium rubrum* 6998
*Cinchona ledgeriana* 1116, 3067, 6931
*Colchicum autumnale* 6933-6934
*Coleus blumei* 9139
*Corydalis cava* 2371
*Crocus sativus* 1665
*Datura stramonium* 2378, 3748
*Digitalis lanata* 573, 8052
*Dioscorea deltoidea* 8053, 9148
*Duboisia myoporoides* 2382
*Echinacea purpurea* 1733
grapes 1384, 9076
*Helianthus maximiliani* 8000
*Hyoscyamus niger* 3748, 3770
medicinal plants 3042, 8006
*Mentha piperita* 9076
*Panax pseudoginseng* 1752
pears 9076
*Peganum harmala* 1158
*Phytolacca americana* 2413-2414
*Picrasma quassioides* 6973
*Pimpinella anisum* 4461, 9079
plants
books 5359
conferences 2583
reviews 2606, 3067, 8432
*Rauvolfia serpentina* 6220, 8099, 9195
*Rhamnus purshianus* 3797, 8102
*Rosa damascena* 5134
*Rosmarinus officinalis* 9076
*Ruta graveolens* 5220, 6981
*Simmondsia chinensis* 9222
*Solanum laciniatum* 624, 3807
*Stephania cepharantha* 6989, 9212
*Symphytum officinale* 2443
*Tabernaemontana* 630
*Thalictrum minus* 6997, 8116
*Thalictrum rugosum* 6998
*Trachyspermum ammi* 6886

**Tissue culture** *cont.*
organogenesis
*Allium carinatum* 8985
*Begonia hiemalis* 8969
*Catharanthus roseus* 559
cherries 5484
*Cyclamen persicum* 4369
*Cymbidium* 6059
dates 659
*Datura fastuosa* 3747
grapes 2761
*Hedera helix* 7926
horticultural crops, reviews 4629
Jerusalem artichokes 7508
*Kalanchoe daigremontiana* 1618
lettuces 221
olives 9287
ornamental bulbs 5028
ornamental plants 4347
pawpaws 1224
peas 7664
*Petunia* 5999
*Phalaenopsis* 6833
plums × *Prunus spinosa* 4021
*Rauvolfia serpentina* 8099
*Rhododendron* 2273
roses 4420
*Sideritis angustifolia* 9205
*Stephania cepharantha* 6989
sugarcane 4591
*Trachyspermum ammi* 6886
*Vanilla planifolia* 5108
*Ziziphus sativa* 7108
physiology
*Asparagus* 1518
*Asparagus densiflorus* 1900
carnations 3541
carrots 359, 7804
cauliflowers 3378
*Citrus* 1801
*Euphorbia characias* 1189
*Impatiens walleriana* 2216-2217
Jerusalem artichokes 7508
lemons 1806
oranges 1802
*Petunia* 390
plums 7329
roses 2276
*Ruta graveolens* 3799
*Streptocarpus nobilis* 2219
tomatoes 6749
propagation
anthers
*Aconitum carmichaelii* 6169
apples 8468
*Brassica carinata* 8719
cabbages 5681
garlic 5632
*Lilium longiflorum* 7864
*Papaver somniferum* 6214
*Peltophorum pterocarpum* 3648
pomegranates 6276
strawberries 2729
callus
*Allium carinatum* 8985
apples 3953
*Aranda* 5065, 7907
*Asparagus* 947
*Begonia tuberhybrida* 4367
*Camellia* 6079
*Camellia japonica* 6078
carrots 1254, 7799
*Corydalis remota* 4486
dates 659
*Fuchsia* 4433
garlic 2088, 5632
*Gasteria croucheri* 1738
*Iris pumila* 4373
*Lycium chinense* 4437
olives 665, 4559
*Papaver somniferum* 4508
*Rhododendron* 2273
roses 4421
sugarcane 4591
tea 6078
*Zizania latifolia* 983
*Ziziphus sativa* 7108
cell suspensions
*Angelica acutiloba* 8023
cucumbers 7589
*Picrasma quassioides* 6973

**Tissue culture** *cont.*
propagation *cont.*
cell suspensions *cont.*
*Stevia rebaudiana* 5247
embryos
*Angelica acutiloba* 8023
apples 3953
bananas 6284, 8233
*Camellia japonica* × *Camellia chrysantha* 3621
carrots 7799
*Cercis canadensis* 5085
chestnuts 2666
*Citrus* 7021
cocoa 8248
coconuts 689
cucumbers 7588-7589
dates 658
grapes 5580
*Iris pumila* 4373
mangoes 6308
*Nelumbo lutea* 7890
oranges 8174
Palmae 689
pawpaws 8303
peaches 5491
pecans 7318
stone fruits 7205
meristems
*Aechmea fasciata* 1616
*Antirrhinum* 3546
*Armoracia rusticana* 3653
*Asparagus* 1517
bananas 3868, 9309
*Begonia hiemalis* 6801
*Betula pendula* 1254
cauliflowers 3378
cherries 89
chrysanthemums 3544, 3546, 7836
*Citrus* 2517
cocoa 8249
*Cymbidium* 3608
*Gerbera* 1254
*Glehnia littoralis* 3085
gooseberries 2710
horticultural crops 4625
pears 2690
pome fruits 1345
*Prunus tenella* 4439
*Pyrus pyrifolia* 2690
*Ribes* 7342
roses 1254, 2992
strawberries 1374, 2038, 2727-2728, 2730, 3312, 4058, 6525, 7362
woody plants 3616
*Zingiber officinale* 6134
micropropagation
*Aconitum carmichaelii* 8016
*Albizia lebbek* 6172
almonds × peaches 8382
apples 58, 1931, 1938, 3636, 3952, 4676, 5443, 8382
*Artemisia dracunculus* 2299, 4443
*Atropa belladonna* 8029
bananas 6285
*Begonia hiemalis* 405
blackberries 7363
*Camellia* 3622
*Capsicum* 2885, 7715
carnations 2203, 5001
*Cephaelis ipecacuanha* 8043
cherries 5484, 8382
*Cymbidium kanran* 6058
*Cyrtopodium* 9016
*Cytisus* 7942
*Elaeis oleifera* 8297
*Elaeis oleifera* × oil palms 8297
*Elettaria cardamomum* 7955
*Euphorbia hirta* 4493
*Ferocactus acanthodes* 439
*Ficus lyrata* 440
garlic 1408, 5632
*Gerbera* 5992
grapes 6544, 6563, 7390
horticultural crops 4624, 4628 reviews 4626, 5029
hyacinths 6028

**Tissue culture** *cont.*
propagation *cont.*
micropropagation *cont.*
*Hyssopus officinalis* 5119
*Kalmia latifolia* 6857
kiwifruits 7337
lemons 3126
mangosteens 9410
*Morus indica* 1983
olives 9289
ornamental bulbs 5028 reviews 5027
ornamental plants 4999 reviews 4998
*Paulownia tomentosa* 5099
pawpaws 6319, 8304
pears 806
*Phalaenopsis amabilis* 7908
*Picrorhiza kurroa* 6974
plums 7329, 8577
*Pogostemon cablin* 3687
quinces 1931
roses 3636, 4419
*Senecio hybridus* 3562, 7852-7853
*Smilax zeylanica* 2438
*Stevia rebaudiana* 8162
strawberries 4767, 5556, 7363
tea 6351
temperate fruits 740 reviews 4662
*Vaccinium corymbosum* 8606
vegetables 4821
walnuts 740
woody plants, reviews 4627, 5071
*Zingiber officinale* 9067
*Ziziphus sativa* 7108
ovules
carnations 5966
*Cercis canadensis* 5085
*Dianthus trifasciculatus* 5966
*Freesia* 4371
grapes 5580, 7389
protoplasts
aubergines 313, 1524
*Auricularia* 2187
*Capsicum* 6704
cherries 4719, 7283
cucumbers 7590
*Dimorphotheca sinuata* 1586
*Echinacea purpurea* 1586
grapes 842-843
*Ligusticum wallichii* 591
olives 665
*Petunia alpicola* 5998
*Rudbeckia hirta* 1586
*Rudbeckia laciniata* 1586
sugarcane 9383
responses
*Begonia hiemalis* 7858-7859
carnations 375
ferns 3591
*Fuchsia* 486
grapes 7388
jackfruits 6283
*Lilium speciosum* 3570
*Nephrolepis exaltata* 6054
ornamental plants 5000
pawpaws 7087, 9375
peaches 1331
*Saintpaulia* 7847
strawberries 2041, 7362
woody plants 4434
reviews, plants 3222
techniques
*Actinidia arguta* 125
*Adiantum capillus-veneris* 3593
*Amaranthus* 5017
*Anthurium scherzerianum* 3555-3556
apples 4675, 5443, 7225-7226
*Armoracia rusticana* 3653
*Asclepias curassavica* 9120
*Asparagus* 281
*Atractylodes lancea* 3085
avocados 2466, 9242
cabbages 5695
*Camellia* 6079
cauliflowers 3545
cherries 3997

**Tissue culture** *cont.*
propagation *cont.*
techniques *cont.*
Chinese cabbages 228
chrysanthemums 3545
cocoa 685
*Cordyline fruticosa* 3422
*Crocus sativus* 3656
*Curcuma* 7953
*Cyathea dregei* 435
*Cyclamen persicum* 408
*Cymbidium* 2262, 9015
*Cyrtomium falcatum* 3595
dates 1810, 2526
*Datura metel* 3085
*Doritaenopsis* 448
Ericaceae 3623
ferns 3592
*Ficus pumila* 3272
*Ficus religiosa* 1650
fruit crops 3924
*Gerbera* 3549, 5008
*Gladiolus* 3568
horticultural crops 2589
reviews 3922, 4625
*Iris* 8977
kiwifruits 8595
*Leucojum aestivum* 416
*Lilium* 1017
*Magnolia* 3627
medicinal plants 3042
*Nephrolepis exaltata* 3597-3598
olives 3924
onions 3223
*Panax pseudoginseng* 8084
pawpaws 5327
pears 2004
*Pelargonium* 3551
*Pelargonium zonale* 3550
*Persea schiedeana* 5251
*Phalaenopsis* 448
pineapples 6322
reviews 2559
plants 7146
books 5365
*Platycerium bifurcatum* 2257
*Polianthes tuberosa* 6822
pomegranates 3163
*Prunus* 2700
raspberries 2714
*Rauvolfia serpentina* 8100
*Rhododendron* 1897
*Rosa* 6096
roses 4420
*Saintpaulia* 391
*Sideritis angustifolia* 9205
*Simmondsia chinensis* 8147
*Solanum quitoense* 1822
*Stangeria eriopus* 2292
strawberries 141
*Tanacetum vulgare* 3816
*Thevetia peruviana* 9120
tropical crops, reviews 3867
tulips 4376
*Valeriana wallichii* 4528
*Vanilla planifolia* 6867
*Vicia faba* 7647
*Ziziphus sativa* 5352
protoplasts
apples 6429
*Asparagus* 5840
*Brassica* 5682
carrots 5929
*Catharanthus roseus* 558
*Codonopsis lanceolata* 3560
*Coptis japonica* 5060
*Euphorbia milii* 5060
kiwifruits 8595
*Lilium longiflorum* 6032
plants 3923
*Platycodon grandiflorus* 3560
responses
age, apples 7226
carbon dioxide, carnations 3541
cultivars
apples 7226, 8468
grapes 7390
*Ribes* 7342
tomatoes 8876
electricity, cherries 4719
gamma radiation, *Gerbera* 994

**Tissue culture** *cont.*
responses *cont.*
growth regulators 1889
*Asparagus* 1517
horticultural crops, reviews 1897, 1908-1910
*Impatiens walleriana* 2216-2217
*Lilium speciosum* 3570
pears 1348
humidity
cauliflowers 3545
chrysanthemums 3545
*Cordyline fruticosa* 3422
onions 3223
light
apples 7226
carrots 359
*Cordyline fruticosa* 3422
*Holarrhena floribunda* 3769
*Magnolia* 3627
plants, reviews 1257
*Syringa vulgaris* 3626
mutagens, horticultural crops, reviews 1911
salinity
Chinese cabbages 2832
*Phaseolus vulgaris* 4911
tomatoes 969
steroids, carrots 4980
temperature
*Dioscorea deltoidea* 6940
*Holarrhena floribunda* 3769
*Lilium longiflorum* 7864
*Lilium speciosum* 3570
*Senecio hybridus* 7852
wounds, *Lilium speciosum* 3570
X radiation, carnations 374
zero gravity, tomatoes 968
senescence, pears 1348
statistical methods, horticultural crops 7143
storage
blackberries 7363
carnations 5962, 6774
dates 659
grapes 6544, 7390
oranges 8174
*Rubus* 2017
strawberries 7363
taxonomy
*Aloe* 2253
*Astroloba* 2253
*Haworthia* 2253
techniques
chrysanthemums 4353
fruit crops 2545, 3924
horticultural crops, reviews 5384
medicinal plants, reviews 3042
olives 3924
pomegranates 3162
ultrastructure
*Catharanthus roseus* 1723
Solanaceae 1253
**Titanium**
absorption, tomatoes 6735
application
grapes 6540
tomatoes 7770
composition
fungi 4341
melons 6650
watermelons 6650
metabolism, seasonal variation, *Menyanthes trifoliata* 6206
nutrition
grapes 6561
tomatoes 6734
requirements, analysis, okras 3470
translocation, tomatoes 6735
**Tobacco mosaic virus**
*Capsicum* 4290, 5848
*Phaseolus vulgaris* 7996
tomatoes 956, 4305, 5875-5876, 7742
**Tobacco necrosis virus,** hops 4464
**Togo,** aubergines, pests, control 7733
**Tomato leaf curl virus,** *Capsicum* 8847
**Tomato mosaic virus,** tomatoes 4320, 5870, 8874
**Tomato yellow leaf curl virus,** tomatoes 5908

**Tomatoes**
acaricides, residues 5915
cold
resistance
cultivars 4301
tests 8428
responses 2083
cultivars
assessment
Albania 2897, 4304
Australia 7737-7738
Bangladesh 7740-7741
Brazil 4300
Bulgaria 4303
Cuba 4302
German Democratic Republic 8894
Italy 6717, 7736
Jordan 316
Netherlands 4299, 8867-8868, 8870
Norway 5872
Philippines 5873
Singapore 4946
USSR 2898, 5616
biochemistry 1526, 2897, 6754, 7443, 7739
characteristics
Bulgaria 5876, 7742
Romania 4947
USSR 956, 2787, 2899, 4305, 5874-5875
diseases 317, 956, 2894, 3487, 4297-4298, 4305, 5868, 5870, 5875-5876, 7742
disorders 336, 5872, 5874
dwarf cultivars 343
flooding 2895
germination 6577
growth regulators 5887
harvesting date 5917
mechanical harvesting 2898, 5874, 7737, 7742, 8873
mechanical properties 1542
mulching 6727
nutrition 333, 4316, 7769
pests 3505, 4296, 4945, 5869, 5871, 8865-8866, 8870
physiology 345
pollution 7749
processing 1546, 2162, 3487, 4947, 5873-5874, 5876, 7736, 8869, 8871
protected cultivation 2897, 2899, 3500, 4303, 4305, 4946, 4967, 5872, 6717, 7739, 8867-8868, 8870
ripening 346
soilless culture 4101, 8888
sowing date 7740
temperature 2896, 4301
tissue culture 8876
yields 2158, 4302-4303, 4952, 5918, 7740-7741, 8878
cultural methods
containers 7761
mechanization 2608
minimum tillage 4097
defoliation, responses 342, 6753
diseases
, bacteria 2915
*Agrobacterium tumefaciens* 7774
*Alternaria alternata* 4330
*Alternaria solani* 4322, 6397, 7775, 8874
*Aspergillus niger* 4330
*Botrytis cinerea* 5911, 6397
*Clavibacter michiganensis* subsp. *michiganensis* 5909, 6737
control, Israel 5907
*Corynebacterium michiganense* 7773
*Didymella lycopersici* 5912
*Erwinia carotovora* subsp. *carotovora* 8919
*Fulvia fulva* 1537, 3501, 6397
fungi 6739
*Fusarium* 8921
*Fusarium oxysporum* f.sp. *lycopersici* 6740

**Tomatoes** *cont.*
diseases *cont.*
*Fusarium oxysporum* f.sp. *radicis-lycopersici* 1538, 3502
*Penicillium digitatum* 4330
*Phytophthora infestans* 6397, 6741, 9093
*Phytophthora nicotianae* var. *parasitica* 6397, 8874
*Pseudomonas* 6738
*Pseudomonas syringae* pv. *tomato* 1536, 2916
*Pseudomonas viridiflava* 5910
*Pyrenochaeta lycopersici* 6393, 7776, 8900
*Pythium ultimum* 8921
*Sclerotium rolfsii* 4321
tomato mosaic virus 4320, 8874
tomato yellow leaf curl virus 5908
disorders
blossom-end rot 335, 2166, 3495, 4964, 4972, 5874, 7783
blotchy ripening 7772
graywall 7772
internal browning 7772
leaf burn 5872
reviews 7772
silvering 5872
sunscald 350
yellow shoulder 336
drought, responses 2924
electricity, responses 23
flowers
development, growth regulators 347, 5887
initiation
cultural methods 6727
physiology 6719
thinning, responses 345
frost, injuries 7151
fruits
aroma, biochemistry 4332
biochemistry
nutrition 2908, 5898, 7770
soilless culture 4331
colour
assessment 8918, 8920
biochemistry 2173, 7443
temperature 2925
composition 1544, 2156, 2917, 3220, 4830, 6752, 7141, 7443, 8913
cracking, histology 6750
development
growth regulators 347-348
light 348
parthenocarpy 6751, 6753, 8872
physiology 345, 2923-2924, 4972, 7788
temperature 4953
water relations 4972
flavour, soilless culture 4331
mechanical properties
assessment 5920, 8912, 8917-8918
biochemistry 2170
cultivars 1542
ripening 1542
physiology 1541, 4656, 4658, 7670
quality
cultivars 2158, 7739
cultural methods 8892
harvesting date 7793
pruning 7758
salinity 4318
shade 8879
soilless culture 4331
ripening
biochemistry 346, 349, 1543, 2170-2171, 2926, 6754
cultivars 346
disorders 336
gamma radiation 8916
growth regulators 1545, 2171, 6751, 6753
light 350
physiology 2172, 3507, 7787, 7792, 8912
pruning 1545
temperature 3507, 7789
russeting, physiology 7788

**Tomatoes** *cont.*
fruits *cont.*
set
defoliation 342
growth regulators 970, 2160, 4949, 5917-5918
mulches 325
pollination 7786
size
growth regulators 6753
nutrition 4964
thinning 5886
spectral data 8436-8437
thinning, responses 5886, 7746
tissue culture 971
fungicides
disease resistance 5911
injuries 8890
residues 4323, 5915, 8425
responses 344
grading, techniques 8920
grafting
techniques, assessment, reviews 7776
unions, anatomy 1253
growing media
characteristics 8885
composition 4828, 6731, 8893
regeneration 7760
temperature 2166
growth regulators
ABA
composition 6749
metabolism 4324-4325
alcohols, responses 2842, 8884
aminocyclopropane carboxylic acid, metabolism 2172
auxins, metabolism 8907
Azoluron, responses 8911
carbazates, responses 7785
chlormequat, responses 965
cytokinins, physiology 343
2,4-D, absorption 4969
daminozide, responses 7783
ethylene
injuries 4631
metabolism 2172
GA
composition 6749, 8913
metabolism 8908
physiology 347
responses 348, 4971, 8911
IAA
composition 6749
translocation 2169
itaconic acid, absorption 6410
NAA, absorption 4969
naphthoxyacetic acid, responses 320, 326, 348
zeatin riboside, composition 6749
handling
injuries 2174
techniques 3506, 4974, 8916
harvesting
harvesting date, assessment 7793
techniques
assessment 353
mechanical harvesting 352, 354, 2898, 4327, 4973, 8914-8915
work studies 8914
heat, resistance, assessment 2896
herbicides
injuries 322, 1532, 5883-5885, 8882
responses 176, 322
tolerance 5882
humidity, responses 5888
insecticides, residues 5915, 7781, 8902
intercropping
cauliflowers 4954
lettuces 4137
irrigation
fertilizers, application 331-332, 2906, 5896, 8883
frequency 2904
requirements, determination 3492, 4958, 8891
responses 2903, 3493, 4957, 6726, 7757, 7760
systems 330, 2905, 5896, 7737, 7755, 8883

**Tomatoes** *cont.*
irrigation *cont.*
water
composition 372
salinity 323, 2164, 4318
sources 2164
leaves
aroma, biochemistry 4326
biochemistry 2920
fungicides 344
composition 2166, 3936, 5871, 5904, 7769, 8887
development, physiology 339
spectral data 8436-8437
mulching
materials 324, 3494
responses 324, 330, 2168, 3494, 4310, 4955, 4957, 6727, 7737, 7757, 8878
mutants, physiology 347, 2172, 6748
mycorrhizas 4315
nematicides, responses 3505, 4971
nutrients
absorption
cultivars 7769
growth regulators 2921
humidity 2940
irrigation 2905
light 3504, 7764
mechanically induced stress 2921
physiology 2923, 7683
seasonal variation 1534
soil temperature 2167
soilless culture 8887
temperature 7769
titanium 6734
water relations 6725
requirements
analysis 329, 2907, 3497, 5889, 5893
assessment 6280, 8885
nutrition 2909, 5896, 5902
boron 5903, 8893
calcium 335, 4316, 4962-4964, 6729, 7761, 7766-7767, 7783
iron 333, 2910-2911
magnesium 4962-4963, 4966, 5888, 6729, 7761, 7766-7767, 8896
manganese 5731, 5903
manures 3499, 4825, 4964, 6732, 8894
molybdenum 3499, 7783
nitrogen 330-332, 335, 861, 1533, 2168, 2904, 2906, 2908, 2910-2913, 3498, 4314-4315, 4317, 4826, 4961-4963, 4965, 5399, 5531, 5879-5880, 5894-5895, 5897-5901, 5904, 5917-5918, 6729, 6733, 7454, 7761, 7765-7768, 7771, 8883, 8892, 8895, 8899
phosphorus 332, 2908, 3498, 4826, 4961-4965, 5399, 5880, 5894-5895, 5897, 5917-5918, 6729, 7454, 7761, 7768, 8892, 8895-8896
potassium 2908, 2912-2913, 3498, 4826, 4961-4963, 4965-4966, 5399, 5880, 5894-5895, 5897, 5917-5918, 6729, 6733, 7454-7455, 7761, 8883, 8892, 8895
sulphur 4963
titanium 6734-6735
trace elements 7761, 7766-7767
zinc 5464, 8893
packing, materials 8441, 8674
parasitic plants, *Orobanche* 8881
pests
*Agrotis ipsilon* 7778
biological control
Italy 179
USSR 182
control
Australia 7777
Israel 5907
*Helicoverpa armigera* 1539
*Helicoverpa zea* 324
insects 5913
*Keiferia lycopersicella* 324
*Liriomyza bryoniae* 7456

**Tomatoes** *cont.*
- pests *cont.*
  - *Meloidogyne* 5869
  - *Meloidogyne incognita* 4968, 6742-6743, 6891, 7457, 8921
  - *Meloidogyne javanica* 3698, 6744, 8921
  - Nematoda 6724
  - *Neoleucinodes elegantalis* 4959
  - *Nezara viridula* 324
  - *Rotylenchulus reniformis* 7457, 8001
  - *Scrobipalpula absoluta* 6745
  - *Scutigerella immaculata* 4105
  - Tetranychidae 181
  - *Tetranychus urticae* 7456
  - *Trialeurodes vaporariorum* 181, 337, 1540, 5914, 7456, 7780, 8901
  - *Tylenchorhynchus brassicae* 8001
- photoperiodism 2902, 6746, 6751, 6753
- photosynthesis
  - diurnal variation 5916
  - environment 5916
  - growth regulators 3503
  - herbicides 5884
  - nutrition 5916
  - physiology 338-339, 3226, 6719
  - salinity 334
- plant
  - biochemistry, nematicides 3505
  - composition 38, 6733, 8420
  - development
    - apical dominance 2169
    - assessment 4962
    - bacteria 4824
    - growth regulators 2921
    - light 32, 6746
    - mechanically induced stress 2921
    - temperature 6746, 7784
  - physiology 4970
- planting
  - seasons 320, 1526, 4954
  - spacing 2162, 4952, 5881, 7759, 8877-8878
  - systems 2162, 4952
- planting stock, transport 2901
- pollination, pollinators, Apoidea 7786
- pollution
  - acids 7153
  - aluminium 7625
  - cadmium 2922, 7748
  - fluorine 7625
  - nickel 1531
  - ozone 7153, 7749
  - radionuclides 5880
  - selenium 7750
- processing
  - cultivars 1526, 3487, 4947, 5873-5874, 5876, 7736, 8869, 8871
  - cultural methods 2162, 2906, 5907, 6726
  - quality
    - assessment 1546
    - harvesting date 7793
- production
  - energy conservation 2608
  - USSR 4815
- protected cultivation
  - carbon dioxide 340, 1535, 3500, 4103, 4319, 5906, 6736, 6746, 7160, 7751, 7754, 8668
  - cultivars 317, 956, 2897, 4303, 4305, 4946, 4967, 8868, 8870
  - cultural methods 320, 326, 5881, 6727, 6751, 6753, 8889
  - diseases 5915, 6397, 8900
  - disorders 6397
    - reviews 7772
  - economics 3500, 7735, 7759, 8412
  - energy conservation 4646, 6399, 6721, 6723, 8880
  - energy requirements 7718
  - equipment 5890
  - growing media 966, 3500, 4960, 6731, 8885, 8892
  - heating systems 6388, 6401
  - irrigation 3489, 3492, 4307, 5394, 8892
  - labour requirements 7718

**Tomatoes** *cont.*
- protected cultivation *cont.*
  - light 325, 382, 2161, 2163, 2902, 3494, 3496, 6722-6723, 6746, 7751, 7764, 8412, 8880
  - mulching 325, 3494
  - nutrition 966, 4314, 4966-4967, 7454, 8892-8893
  - pests 179, 6724, 7456, 7780-7781, 8901
  - planting
    - interplanting 7759, 8870
    - seasons 1534, 7747
    - systems 4137
  - pollination 2851, 7786
  - pruning 7758
  - rotations 964
  - shading 4308, 8879
  - soil fumigation 6582, 6724
  - soil heating 6393
  - soil sterilization 6724
  - sowing date 6722
  - spacing 5890, 7746, 7759
  - systems
    - greenhouses 4956, 6390
    - plastic film 321, 4954, 6400, 8878
    - plastic tunnels 2903, 4955, 5621, 6399, 7164
  - temperature 1535, 4308, 4311, 6388, 6721-6722, 6746, 7753, 7784
  - training 7759
  - ventilation 3500, 4309, 5906, 7754
- pruning
  - responses 320, 326, 4955, 4959, 6727, 7758, 8877
  - systems
    - assessment 8877
    - root pruning 962
- reports
  - Colombia 3213
  - Cyprus 731
  - German Federal Republic 17, 732, 3215
- respiration
  - bacteria 5892
  - pests 4296
  - physiology 8904
  - storage 4329
- rhizosphere, microorganisms 4824
- roots
  - biochemistry, trace elements 967
  - composition 6749, 8909
  - development
    - bacteria 5892
    - carbon dioxide 5905
    - soilless culture 8906
    - temperature 1535
  - exudates 5464
  - physiology 2918, 4296, 5464, 7683
- rootstock scion relationships
  - diseases 319
  - pests 319
  - physiology 343, 6719
- salinity
  - responses 334, 2909, 2914, 4098, 4318, 5877, 5904, 8898-8899
  - tolerance 969, 6747
- sap, composition 329, 2914, 4314, 5916
- seedlings
  - development
    - biochemistry 4098
    - caesium 341
    - growing media 318
    - growth regulators 327
    - light 2902
    - mechanically induced stress 327
    - physiology 8903
    - salinity 327
    - soil temperature 2167
  - planting
    - age 965
    - mechanical methods 1530, 6381, 6720
    - size 7745
  - production
    - containers 5878
    - cultural methods 962-963, 1529, 3488, 4306, 7446
    - equipment 5878

**Tomatoes** *cont.*
- seedlings *cont.*
  - production *cont.*
    - growing media 860
    - protected cultivation 987, 2161, 6722
    - soil conditioners 1528
  - treatment 2160, 4951, 4970, 5909, 6718, 7775
- seeds
  - biochemistry, growth regulators 6748
  - composition 6159, 8913
  - development
    - biochemistry 972
    - growth regulators 347
  - dormancy, growth regulators, reviews 1527
  - germination
    - biochemistry 8662
    - physiology 6748, 8903
    - salinity 4948, 5877, 7743, 8662
    - temperature 4950, 6577
    - water relations 2900, 5877
  - production
    - cultural methods 351
    - extraction 2789
  - quality
    - assessment 5617
    - harvesting date 972
  - sowing
    - depth 960-961
    - equipment 8875
    - sowing date 7740
    - spacing 959, 5879
    - techniques 7446, 7744
  - storage, duration 4950
  - treatment 318, 957-958, 960, 2159, 3502, 4097, 4320, 4819, 4948-4951, 5877, 6751, 7457, 7743, 7773, 7775, 8874
- senescence, physiology 7192
- shading, materials 4308
- shoots, composition 4324
- soil amendments 2909, 3499, 4964, 6733
- soil fumigation 8921
- soil management, systems 4182
- soil pH, responses 332, 5880
- soil temperature, responses 2167
- soil types 323, 332, 2905, 4321, 5896, 7765
- soilless culture
  - cultural methods 965, 5886, 7758, 8888, 8906
  - economics 8667
  - equipment 5890
  - growing media 4960, 5388, 6728, 6730, 7752, 7760, 7762, 8885-8886, 8889-8890, 8943
  - irrigation 7752, 7756, 7760, 8886, 8891
  - nutrient solutions
    - aeration 5905, 7762
    - carbon dioxide 5905
    - composition 328, 2165, 3495, 5891, 5902, 7763, 8897
    - magnetism 8907
    - salinity 3496, 4312, 5891, 7762, 7771, 8898-8899
    - temperature 4311, 7762
  - nutrition 2908, 2912-2913, 4317, 4961, 5888-5889, 5891, 5893, 6729, 7761, 7771, 7783, 8893, 8896
  - spacing 7746
  - systems
    - assessment 6728, 8667
    - containers 4313, 4961
    - hydroponics 327, 5889, 6730, 8889-8890
    - nutrient film techniques 4101, 4137, 4311, 4331, 4961, 7762, 8887
- solar radiation, injuries 2174
- storage
  - biochemistry 4332
  - diseases 4330, 8919
  - disorders 2174
  - packing 7790

**Tomatoes** *cont.*
storage *cont.*
quality
assessment 8918
harvesting date 7790-7791
maturity 3506
systems
cold storage 7790
controlled atmosphere storage 4329, 5919
temperature 4328, 4974
treatment 2925, 4328, 4330, 7791, 8425, 8919
wraps 4328
surfactants, absorption 2919
tissue culture
biochemistry 8908, 8910
explants, sources 3535
histology 971
responses
cultivars 8876
salinity 969
zero gravity 968
training, systems 5881, 7759
transpiration
growth regulators 3503
protected cultivation 340
water relations
biochemistry 7782
fruiting 4972
physiology 6725, 6750, 7683, 8905
protected cultivation 4307
soilless culture 8887
temperature 2083
weed control 176-177, 322, 1532, 3490-3491, 4310, 5794, 5882-5883, 5885, 7755, 8881
windbreaks 4954
wounds, biochemistry 3508
yields, correlation 2158, 3493
**Topworking,** pears 1344
**Tortricidae**
apples 8504
grapes 7432
***Tortrix,*** apples 8499
***Torymus, Crataegus*** 1647
**Town compost** (*see* Refuse compost)
***Townsonia,*** taxonomy, nomenclature 6057
**Toxic substances**
absorption, vegetables 4828
biochemistry, *Flammulina velutipes* 8934
characterization
*Abrus precatorius* 8011
*Croton tiglium* 4488
*Ilex aquifolium* 6844
composition
*Aconitum napellus* 3033
*Acorus calamus* 510
*Amelanchier alnifolia* 6509
*Azadirachta indica* 6918
*Baccharis coridifolia* 9125
*Clausena anisata* 9088
*Corynocarpus similis* 3319
*Crotalaria incana* 3746
*Dictamnus albus* 1731
*Duguetia panamensis* 9150
horticultural crops 4831
*Karwinskia humboldtiana* 5201
*Lawsonia inermis* 3089
*Lepidozamia peroffskyana* 1029
lichens 1269
*Lippia graveolens* 2403
*Mentha* 1067
*Montanoa tomentosa* 2403
plants 1269
*Pleurotus ostreatus* 4343
*Pongamia pinnata* 5215
*Rhus verniciflua* 493
*Senecio grisebachii* 5224
determination
*Helenium* 5196
plants 5382
Solanaceae 7141
***Toxoptera aurantii, Macadamia*** 2533
***Trachelium caeruleum***
cultural methods, pot plants 6018
cut flowers
production, cultural methods 6019
vase life 8950
tissue culture, organogenesis 4347
***Trachelospermum jasminoides***
flowers, fragrance, biochemistry 5074
leaves, composition 5237
***Trachomitum venetum,*** roots, composition 2325
***Trachyspermum ammi***
seeds, composition 3013
tissue culture, metabolites, production 6886
**Tractors,** assessment, grapes 8656
***Tradescantia,*** mutants, induction, growth regulators 4365
***Tradescantia albiflora,*** irrigation, water, composition 372
***Tradescantia virginiana***
flowers, cytology 3563, 6020
leaves, biochemistry 6798
water relations
humidity 5026
light 5026
**Training**
economics, grapes 7409
labour requirements, grapes 4795
mechanical methods, grapes 160
responses
apples 760, 766, 774, 3243
*Capsicum* 297
cherries 760
*Citrus meyerii* 3830
cucumbers 251, 3394
grapes 2060, 2067, 3334, 4792, 7428
kiwifruits 5528
lemons 3830
peaches 102, 798
systems
apples 60, 78, 760, 766, 2625, 3243, 4677-4678
apricots 6468
cherries 760, 2659-2660
*Citrus meyerii* 3830
*Clematis* 4431
fruit crops 4663
grapes 175, 2067, 3332, 4792, 4795, 7375, 7394, 7400, 7404, 7406, 7409
kiwifruits 5528
lemons 3830
peaches 101-102, 798, 2676, 5492, 7302
pears 2005
reviews 2006
persimmons 8226
raspberries 825, 4041
tea 8344
temperate fruits 46
tomatoes 5881, 7759
watermelons 4891
**Translocation**
aluminium, *Phaseolus vulgaris* 266
biochemistry
*Asparagus densiflorus* 8429
carrots 8430
radishes 2835
spinach 7500
sugarcane 1236
growth regulators
lawns and turf 1614
onions 3363
peas 4929
light, onions 3363
measurement
grapes 167
peas 7684
photoperiodism, cucumbers 1480
physiology
aubergines 7734
broccoli 237-238
celery 2179
*Coleus blumei* 7898, 8825
*Gomphrena globosa* 1009
grapes 1402
*Kalanchoe daigremontiana* 1621
peas 8825
*Phaseolus vulgaris* 2131, 4228, 6678, 8780
salinity, *Phaseolus vulgaris* 2860
**Transpiration** (*see also* Water relations)
cultivars
lawns and turf 6038
peaches 1329
**Transpiration** *cont.*
diurnal variation
*Agave deserti* 1026
bananas 9312
cocoa 1827
feijoas 3856
peaches 4009
flooding
pecans 7320
*Vaccinium ashei* 2032, 7353
fruiting, tomatoes 4972
growth regulators
apples 768
cherries 768
*Phaseolus vulgaris* 919, 4908, 7624, 8781
tomatoes 3503
humidity, cocoa 1827
irrigation
grapes 4804
sugarcane 6338
lead
peas 4240
vegetables 6667
light
*Gerbera* 385
*Spathiphyllum wallisii* 444
measurement
*Antirrhinum* 373
cabbages 8720
cucumbers 5721
greenhouse crops 1260
lawns and turf 6045
melons 8749
woody plants 6074
mycorrhizas, *Rosa multiflora* 2277
nutrition
apples 71
*Capsicum* 3483
cauliflowers 5687
organogenesis, feijoas 3856
phenolic compounds, *Phaseolus vulgaris* 4908
physiology
grapes 5611
greenhouse crops 6387
horticultural crops 2609
protected cultivation
cucumbers 4188
tomatoes 340
rootstock scion relationships, apples 3950
salinity, *Nerium oleander* 3646
seasonal variation
bananas 9312
peaches 4009
*Vicia faba* 8789
soil water, *Capsicum* 3483
sulphur dioxide, *Vicia faba* 3425
surfactants, horticultural crops 6114
temperature, cocoa 9328
water relations
cocoa 9328
olives 8218
pecans 6506
**Transport**
containers
avocados 2506
horticultural crops 8442
economics, lettuces 2823
injuries, horticultural crops 8443-8444
precooling, *Asparagus* 4275
refrigeration
persimmons 3161
planting stock 2901
systems
assessment
aubergines 8846
avocados 2498
cabbages 8735
foliage plants 3590
*Hibiscus rosa-sinensis* 7946
okras 8846
temperature
*Asparagus* 4275
*Hibiscus rosa-sinensis* 3001
lettuces 2822-2823
***Tranzschelia discolor,*** plums 3290-3291
**Trees and shrubs** (*see* Woody plants)
***Tremella fuciformis,*** composition 1555, 2185

***Trialeurodes vaporariorum***
cucumbers 6651, 7188, 8901
*Fuchsia* 17, 6855
*Gerbera* 5013, 6779
greenhouse crops 5914, 7189, 7456
*Hibiscus rosa-sinensis* 17
lettuces 5672
ornamental plants 6773, 8949
poinsettias 17, 470
tomatoes 17, 337, 1540, 7780, 8901
vegetables 180-181
***Trianthema monogyna,*** as weeds, onions 4110
***Trianthema portulacastrum,*** nutritional value 5933
***Tribulus terrestris***
as weeds, *Gladiolus* 1600
plant, composition 3039
***Trichoderma***
composition 2185
control
of *Botrytis cinerea*
apples 7242
strawberries 7242
of diseases, greenhouse crops 181
of *Fusarium oxysporum,*
watermelons 5736
of *Fusarium oxysporum* f.sp. *asparagi, Asparagus* 5839
*Pleurotus sajor-caju* 365
plums 1355
***Trichoderma hamatum,*** mushrooms 4339
***Trichoderma harzianum***
control
of *Alternaria raphani,* radishes 5700
of *Fusarium oxysporum* f.sp. *radicis-lycopersici,* tomatoes 3502
of *Pythium ultimum,* peas 7672
of *Rosellinia necatrix,* apples 1291
populations, rhizosphere, sugarcane 4594
***Trichoderma koningii***
control
of *Alternaria raphani,* radishes 5700
of *Pythium ultimum,* peas 7672
***Trichoderma viride,*** control, of *Chondrostereum purpureum,* apples 3964
***Trichodesma ehrenbergii,*** plant, composition 6165
***Trichodorus,*** garlic 7465
***Trichogramma chilonis***
control
of *Chilo,* sugarcane 6344
of *Chilo sacchariphagus,* sugarcane 9394
of *Helicoverpa armigera,* tomatoes 1539
of Lepidoptera, sugarcane 9395
of *Tetramoera schistaceana,* sugarcane 9394
***Trichogramma embryophagum,*** control, of *Ectomyelois ceratoniae,* dates 3153, 3855
***Trichogramma japonicum,*** control, of Lepidoptera, sugarcane 9395
***Trichogramma nubilale***
control
of *Chilo sacchariphagus,* sugarcane 9394
of *Tetramoera schistaceana,* sugarcane 9394
***Tricholoma saponaceum,*** composition 3117
**Trichomes**
*Coleus edulis* 1726
pecans 113
*Pelargonium zonale* 389
*Peperomia* 3599
Tiliaceae 8427
***Trichoplusia ni***
*Brassica* 4876
cabbages 883, 4879
cauliflowers 8718
tomatoes 5913
***Trichosanthes cucumerina,*** growth regulators, potassium naphthenate, responses 4191
***Trichosanthes dioica,*** insecticides, residues 8756
***Trichosanthes kirilowii,*** tubers, composition 2398, 3034
***Trichothecium roseum***
apples 3976
*Callistephus chinensis* 6007
***Triclisia patens,*** roots, composition 1180
***Tridax procumbens***
leaves, composition 1696
plant, composition 3819
***Trifolium lupinaster,*** plant, composition 1701
***Trifolium repens***
as cover crops, grapes 4076
as weeds
lawns and turf 7886
strawberries 4777
***Trigonella foenum-graecum***
cultivars, assessment, India 9064
cultural methods
Denmark 9107
India 3011
Nigeria 6234
intercropping
cabbages 4155
cauliflowers 4155
plant, composition 39, 6164
salinity, responses 7506
seeds
biochemistry, water relations 6866
composition 506, 3013, 3666, 3820, 4527, 6132
***Trigonella monspeliaca,*** plant, composition 6896
***Trillium grandiflorum,*** rhizomes, composition 6235
***Trillium kamtschaticum,*** pollen, development, cytology 3576
**Trinidad and Tobago,** coffee, cultural methods, reviews 1829
***Trioza apicalis,*** carrots 7803
***Trioza erytreae, Citrus*** 1800
***Tripsacum laxum,*** as mulches, tea 8347
***Tripterygium regelii,*** roots, composition 3821
***Tripterygium wilfordii***
leaves, composition 2448
plant, composition 1181, 1776
***Trisetella***
species
characteristics
Colombia 446
Ecuador 446
***Tristagma uniflorum,*** plant, composition 1019
***Tristania confertus,*** leaves, variegation, histology 6100
***Tristania laurina,*** leaves, variegation, histology 6100
***Tristania whitiana,*** plant, composition 5156
***Triumfetta rhomboidea,*** plant, composition 6236
***Triumfetta semitriloba,*** plant, composition 5238
***Trochocarpa laurina,*** cultural methods, Australia 5069
***Trollius,*** seedlings, production, cultural methods 4345
***Tropaeolum majus***
leaves, composition 8965
seedlings, development, biochemistry 6021
seeds, development, biochemistry 4659
**Tropical crops**
cultural methods, agroforestry 2546
drying, equipment 7200-7203
nutrients, requirements, analysis 6372
protected cultivation, carbon dioxide 2600
**Tropical fruits**
dwarfing, cultural methods 5386
flowers, development, books 7116
research 9302
tissue culture
propagation, micropropagation 4627
techniques 2545
***Tuber aestivum,*** characteristics 7822
***Tuber magnatum,*** cultural methods, Italy 7822
***Tuber melanosporum***
aroma, biochemistry 4344
***Tuber melanosporum*** *cont.*
cultural methods, Italy 7822
**Tubers**
biochemistry, light, Jerusalem artichokes 2101
development, cultivars, Jerusalem artichokes 2813
dormancy, biochemistry, Jerusalem artichokes 206, 2816
production, cultural methods, *Begonia tuberhybrida* 4368
treatment
cold, *Anemone coronaria* 404
growth regulators
*Anemone coronaria* 1012
*Ranunculus asiaticus* 1012
***Tulasnella,*** mycorrhizas, Orchidaceae 9017
***Tulasnella calospora***
mycorrhizas
*Microtis* 2980
Orchidaceae 4406, 9020
**Tulip mosaic virus,** *Lilium* 7866
***Tulipa*** (*see also* Tulips)
**Tulips**
breeding, biochemistry 6815
bulbs
production
cultural methods 1606, 2232, 5037, 6816, 7874
harvesting 2233
storage
systems 1607
temperature 6816
treatment 1607, 2958
cultivars
assessment, Netherlands 2956
breeding 6815
cut flowers 6033
nutrition 7875
pot plants 3573
protected cultivation 6033
cultural methods
mechanization 6023
pot plants 3573, 5038-5039
cut flowers
production
cultural methods 1606
protected cultivation 6033
senescence 4377
diseases
*Botrytis cinerea* 2958
fungi 4366
disorders
flower bud blast 5038-5039
rammelaars 2233
topple 2957
dwarfing, growth regulators 5038-5039
flowers
colour
biochemistry 6815
genetics 8984
forcing 414, 2956
growth retardation, growth regulators 3573
herbicides, injuries 2232
nutrition
boron 7875
calcium 2957
nitrogen 414
plant, composition 2948, 6817
planting
depth 1606
row orientation 7874
spacing 6023
protected cultivation
planting, seasons 6033
systems, greenhouses 2957
shoots, development, physiology 5040
tissue culture, explants, sources 4376
**Tung**
diseases, *Cercospora aleuritidis* 4562
fruits, composition 6278
intercropping
*Phaseolus vulgaris* 1214
soyabeans 1214
nutrition
nitrogen 6278
phosphorus 6278
potassium 6278
seedlings, production, cultural methods 1820

**Tung** *cont.*
soil pH, responses 2544
**Tunisia**
apricots, cultivars 1966
olives, surveys 7043
tomatoes, cultural methods 7164
**Tunnels** (*see* Protected cultivation)
***Tupidanthus calyptratus,*** plant, composition 469
**Turkey**
apples, nutrition, surveys 8475
*Atropa belladonna,* cultural methods 5163
carnations, cultural methods 5959
clementines, cultivars 9246
*Coriandrum sativum,* production 5103
cut flowers, production 5959
figs, production 8528
grapes, cultivars 7379
loquats, cultivars 9281
medicinal plants, surveys 532
pears, cultivars 8559
stone fruits, economics 8445
**Turmeric** (*see Curcuma longa)*
**Turnips**
books, USSR 1245
cultivars
diseases 8724
nutrition 4877
protected cultivation 3360
yields 7533
diseases, *Plasmodiophora brassicae* 8724
harvesting, techniques, mechanical harvesting 183
inflorescences, composition 4877
insecticides, residues 4652
leaves, composition 8431, 8736
nutrition
manures 2089
nitrogen 2089, 4826, 4877
phosphorus 4826
potassium 4826
plant, development, cultivars 7533
pollution, ozone 1406
protected cultivation, cultural methods 3360
roots, composition 1907
rotations 8724
seeds, germination, temperature 3377
tissue culture, protoplasts 5682
***Tylenchorhynchus brassicae***
aubergines 8001
tomatoes 8001
***Tylenchulus semipenetrans***
*Citrus* 5275
grapes 7387
lemons 8194-8195
limes 8191
oranges 8192-8193
***Tylophora hirsuta,*** plant, composition 3118
***Tylophora indica***
leaves, composition 1704
plant, composition 3118
***Typha latifolia***
flowers, colour, biochemistry 6047
pollen
composition 6046
germination, physiology 8995
***Typhlodromus occidentalis,*** control, of *Tetranychus urticae,* apples 4689
***Typhlodromus pyri***
control
of Acari, temperate fruits 7211
of *Panonychus ulmi,* apples 4689, 8501
***Typhonium giganteum,*** inflorescences, biochemistry 6696
***Ugni molinae,*** surveys, Chile 3298
**UK**
*Aquilegia,* cultivars 396
arboreta 6064, 7918
cut flowers, marketing 7833
cut foliage, marketing 7833
*Helleborus vesicarius,* cultural methods 398
horticultural crops, marketing 7138
*Lachenalia,* cultural methods 415
*Narcissus,* breeding 6813
peas, cultivars 8803
**UK** *cont.*
poinsettias
diseases, control 470
disorders, control 470
pests, control 470
pot plants, marketing 7833
*Rhododendron,* hybrids 471
vegetables
cultural methods 8661
economics 8661
***Ulex europaeus,*** plant, composition 6156
***Ulmus parvifolia,*** planting stock, production, containers 2266
***Ulmus pumila***
pruning, responses 1034
utilization, shelterbelts 100
**Ultrasonics,** responses, *Rosa* 1044
**Umbelliferae,** reproduction, physiology 8435
***Uncaria callophylla,*** plant, composition 5156
***Uncaria longiflora,*** plant, composition 5156
***Uncaria tomentosa,*** plant, composition 9218
***Uncinula necator,*** grapes 151, 840, 1387, 1395, 2056, 3326, 4795, 4802, 5405, 5598, 5605, 6397, 8641-8642
***Ungernia ferganica,*** plant, composition 2338
***Ungernia sewerzowii,*** plant, composition 2338
***Unonopsis spectabilis,*** plant, composition 9219
**Uranium,** absorption, vegetables 8663
***Urginea maritima,*** plant, composition 3701
***Urocystis cepulae,*** onions 194, 4117, 7470, 7480, 8682
***Uromyces, Phaseolus vulgaris*** 4202
***Uromyces appendiculatus, Phaseolus vulgaris*** 1486, 2125, 3415, 4200
***Uromyces dianthi,*** carnations 4350
***Uromyces transversalis, Gladiolus*** 6026
***Uromyces viciae-fabae,*** peas 1504
***Urophorus humeralis,*** sugarcane 5339
***Urophyllum ferrugineum,*** plant, composition 5156
***Urtica ardens,*** wild plants, edible species 5415
***Urtica dioica***
as weeds, temperate fruits 7208
flowers, composition 1777
leaves, composition 616
roots, composition 8117
***Urtica urens,*** as weeds, *Gerbera* 383
**USA**
*Achillea,* cultivars 1005
*Aglaonema,* cultivars 7893
*Anemone,* cultural methods 3564
*Anthurium,* cultivars 7893
apples, rootstocks 4674
apricots, cultivars 3992
*Asparagus,* cultivars 3463
broccoli, cultivars 6620
*Capsicum*
cultivars 7710
cultural methods 7574
Chinese cabbages, cultivars 7536
chrysanthemums, cultivars 3543
cut flowers, marketing 7833
cut foliage, marketing 7833
*Dieffenbachia,* cultivars 2250-2251, 7893
*Elliottia racemosa,* ecology 2999
*Enkianthus,* cultural methods 3642
foliage plants, diseases, control 431
*Forsythia intermedia,* cultivars 6106
grapes
cultivars 6546, 8630, 8633
diseases, control 8640
pests, control 8640
rootstocks 4790
*Hibiscus syriacus,* cultivars 5094
*Kalmia latifolia,* cultivars 6857
*Lagerstroemia,* hybrids 6111
*Lagerstroemia indica* × *Lagerstroemia fauriei,* cultivars 489
lawns and turf, cultivars 1020, 2241, 2961-2964, 4382-4384, 7882-7885
melons, economics 5714
nectarines, cultivars 5489
**USA** *cont.*
onions, cultivars 8680-8681
oranges, cultivars 3127
Orchidaceae, wild plants, surveys 6838
ornamental plants
economics 4996
pests, control 7829
*Paulownia tomentosa,* cultivars 5099
peaches
cultivars 1986, 2672, 5489, 8535
rootstocks 8539
pears, cultivars 5506
*Pelargonium hortorum,* cultivars 2943
*Phaseolus vulgaris,* cultivars 7618
pome fruits
diseases, surveys 5480
disorders, surveys 5480
pot plants, marketing 7833
pumpkins, cultural methods 7574
*Pyracantha,* cultivars 491
raspberries, cultivars 4039, 4759
*Simmondsia chinensis*
cultural methods 8122
production 8122, 9226
small fruits, pests, control 7334
spinach, cultivars 5648
stone fruits
diseases, surveys 5500
disorders, surveys 5500
strawberries, cultivars 2037, 3311, 8612
sugarcane, cultivars 8325-8326, 9381
temperate fruits
diseases, control 7209
pests, control 7209
*Vaccinium corymbosum,* cultivars 2030, 4046
vegetables
cultivars 7442
pests, control 8669
*Vernonia,* species 6799
*Viburnum burkwoodii,* cultivars 6118
*Viburnum japonicum* × *Viburnum dilatatum,* cultivars 500
*Viburnum lobophyllum* × *Viburnum japonicum,* cultivars 500
woody plants, economics 4409
**USSR**
*Allium,* ecology 5016
almonds, cultivars 1916
*Anethum graveolens,* cultivars 2786-2787
*Anthriscus cerefolium,* cultivars 2787
apples
cultivars 750, 1280-1281, 1922-1925, 2618-2619, 2621, 2623, 4670, 5431-5432
rootstocks 2623
apricots, cultivars 3986-3989, 3991, 4715
arboreta 6082
*Artemisia,* species 6138
beetroots, cultivars 202, 867, 7492
*Berberis,* species 3318
*Brassica juncea,* cultivars 2787
*Bupleurum multinerve,* cultural methods 1111
cabbages, cultivars 7537
*Canna,* cultivars 6037
*Capsicum,* cultivars 2149, 2787, 4281, 4284
carrots, cultivars 867, 4975
*Carum carvi,* cultivars 867, 4444
*Catharanthus roseus,* cultural methods 3066
celery, cultivars 2786-2787
cherries
cultivars 1314-1316, 1971
rootstocks 784
*Chosenia arbutifolia,* ecology 3641
*Citrus*
cultivars 2512
cultural methods 6246
cress, cultivars 2786-2787, 7565
Cruciferae, books 1245
cucumbers, cultivars 1463, 1465, 2787, 2841, 4177-4178, 5708, 7575, 7579-7580
*Cucurbita,* cultivars 4175
dye plants, surveys 2304
feijoas, cultivars 1209
fennel, cultivars 3515, 4447

**USSR** *cont.*
- figs, cultivars 1981
- fungi, edible species, surveys 1556
- garlic, cultivars 5630
- *Gentiana paradoxa*, cultural methods 4359
- gooseberries, cultivars 2709
- grapes
  - cultivars 838-839, 2050, 2749, 2757, 4073, 5431, 5576
    - books 726
  - cultural methods 846
  - pests, control 8639
- greenhouse crops, pests, biological control 182
- *Helichrysum italicum*, cultural methods 1587
- *Hippophae rhamnoides*, cultivars 832, 4064, 4786, 5570, 6536, 7371-7372
- hops, cultivars 3020
- Jerusalem artichokes, cultivars 2814
- Jerusalem artichokes × sunflowers, cultivars 2814
- *Lavandula*, cultivars 3017
- lawns and turf, cultivars 2960, 4381, 5048, 7880-7881
- lettuces, cultivars 2786-2787, 4865
- *Lonicera*, species 4436
- mandarins, cultivars 2511
- marrows, cultivars 4179
- medicinal plants
  - cultural methods 735
  - surveys 1700, 3703, 6158
  - wild plants, utilization 735
- *Melittis sarmatica*, wild plants, utilization 5125
- melons, cultivars 2787, 7581-7582, 7591
- *Mentha arvensis* × *Mentha piperita*, cultivars 4457
- nut crops, production 5381
- onions, cultivars 1410, 4108, 7472
- oranges, cultivars 2513
- pawpaws, production 6316
- peaches
  - cultivars 1330, 2668-2669
  - rootstocks 2673
- pears, cultivars 1344, 4742
- peas, cultivars 5782
- *Pelargonium*, cultivars 999
- persimmons, cultivars 8226
- *Petroselinum crispum*, cultivars 2786
- *Phaseolus vulgaris*, cultivars 3911
- plums
  - cultivars 115, 2010, 2695, 2697-2698, 4016
  - rootstocks 817
- pomegranates, cultivars 2543
- *Poncirus trifoliata*, cultivars 2516
- pumpkins, cultivars 7583
- quinces, cultivars 819, 2701
- radishes, cultivars 2110-2111, 2787, 2834
- *Rhodiola rosea*, cultural methods 1768
- rhubarb, cultivars 2786, 4279
- *Rosa*
  - cultural methods 3911
  - wild plants, utilization 6225
- *Rubus arcticus*, cultivars 4043
- *Rumex*, cultivars 2786
- small fruits, cultural methods 735
- stone fruits, cultivars 741, 7297
- strawberries
  - cultivars 828, 2725, 2731, 4057
  - cultural methods 142
- subtropical crops, books 3911
- subtropical fruits, production 5381
- *Syringa*, cultivars 4417
- tea, cultivars 6349, 8344
- tomatoes, cultivars 956, 2787, 2898-2899, 4305, 5874-5875
- *Vaccinium corymbosum*, cultivars 2716
- *Valeriana*, species 5239
- vegetables
  - cultivars 5616
  - cultural methods 735
  - pests
    - biological control 178
    - integrated control 178
  - production 4815

**USSR** *cont.*
- *Vinca herbacea*, cultural methods 2450
- *Vitis*, species 2748
- walnuts, cultivars 2702, 5525
- watermelons, cultivars 2787, 7578, 7584
- wild plants
  - edible species 5615
  - surveys 6158
- woody plants, species 4413
- *Ziziphora bungeana*, wild plants, utilization 1780

***Ustilago scitaminea*,** sugarcane 1855, 3187, 5332-5333, 6327, 8325-8326, 9381

***Ustilago striiformis*,** lawns and turf 2961, 4384

***Vaccinium***
- books 7115
- chromosomes 2715
- cultivars
  - assessment, Poland 132
  - biochemistry 3309
  - physiology 4052
- cuttings 2031
  - sources, cultural methods 1258
- disorders, chlorosis 4763
- frost, injuries 7151
- fruits
  - colour, biochemistry 3309
  - composition 2718-2719
- insecticides, residues 4765
- mulching, responses 4764
- nutrients, requirements, assessment 5547
- nutrition, iron 4763
- parasitic plants, *Cuscuta gronovii* 8610
- pests
  - insects 7334
  - Nematoda 4764
- planting stock, production, containers 5070
- pollution, radioactive fallout 6510
- reports
  - German Federal Republic 14
  - New Zealand 734, 1892
  - USA 3219
- research, Chile 2581
- soil types 4048
- taxonomy, chemotaxonomy 2715
- tissue culture, propagation, meristems 3616
- weed control 8610

***Vaccinium angustifolium***
- frost, injuries 6519
- herbicides, injuries 8608
- nutrition 137
- pruning, responses 137
- weed control 8608-8609
- yields, correlation 4048

***Vaccinium ashei***
- chilling requirement 2035
- cultivars
  - chilling requirement 138, 2717
  - diseases 6521
  - nutrition 5549
  - storage 4053
- diseases, *Phytophthora cinnamomi* 6521
- disorders, chlorosis 5549
- flooding 2032, 4047, 7353
- fruits, composition 2715
- irrigation, water, salinity 2033
- mulching, responses 2033
- nutrition
  - calcium 7916
  - magnesium 7916
  - nitrogen 5549
  - phosphorus 5549
  - potassium 5549
- storage
  - quality, cultivars 4053
  - treatment 4054
- surfactants, responses 6114

***Vaccinium australe*** *(see Vaccinium corymbosum)*

***Vaccinium constablaei*,** fruits, composition 2715

***Vaccinium corymbosum***
- chilling requirement 2035

***Vaccinium corymbosum*** *cont.*
- cultivars
  - assessment
    - Australia 5545
    - Chile 3307
  - biochemistry 4045
  - characteristics, USA 2030, 4046
  - diseases 4044, 6521
  - morphology 2716
  - temperature 1367
  - winter hardiness 5546
- diseases, *Phytophthora cinnamomi* 6521
- flooding 133-134
- frost, resistance, cultivars 1367
- fruits, composition 2715, 4045
- irrigation, requirements, determination 135
- nutrients, requirements, analysis 5548
- nutrition, nitrogen 2034, 5550
- photosynthesis, temperature 4052
- plant, development, soil types 136
- pollen, germination, fungicides 1368
- pollination, pollinators, Apoidea 7354
- reports, New Zealand 1892
- research, France 3229
- roots
  - development
    - seasonal variation 826
    - soil temperature 826
- soil aeration, responses 3308
- surveys, Chile 3298
- tissue culture, propagation, micropropagation 8606
- water relations, temperature 4052
- winter hardiness, cultivars 5546

***Vaccinium darrowii***
- photosynthesis, temperature 4052
- water relations, temperature 4052

***Vaccinium darrowii* × *Vaccinium corymbosum***
- photosynthesis, temperature 4052
- water relations, temperature 4052

***Vaccinium elliottii*,** fruits, composition 2715

***Vaccinium macrocarpon***
- cultivars, nutrition 4050, 6520
- nutrients, requirements, assessment 5547
- nutrition 4049
  - boron 4050
  - magnesium 6520
  - sulphur 6520
- plant, composition 4049
- weed control 8607
- wild plants, utilization 8624

***Vaccinium myrtilloides*,** yields, correlation 4048

***Vaccinium myrtillus***
- fruits, composition 2720
- plant, development, phenology 4051
- wild plants, utilization, USSR 6158

***Vaccinium oxycoccus***
- soil types 735
- wild plants, utilization, USSR 6158

***Vaccinium pallidum*,** fruits, composition 2715

***Vaccinium simulatum*,** fruits, composition 2715

***Vaccinium tenellum*,** fruits, composition 2715

***Vaccinium uliginosum***
- fruits, composition 3310
- wild plants, utilization, USSR 6158

***Vaccinium vitis-idaea***
- plant, composition 8611
- wild plants, utilization, USSR 735, 6158

**Valepotriates**
- characterization
  - *Valeriana* 8118
  - *Valeriana alliariifolia* 2449
- composition
  - *Centranthus longiflorus* 1114
  - Valerianaceae 5152
- production, cultural methods, *Valeriana officinalis* 5240
- toxicity, Valerianaceae 5152

***Valeriana***
- plant, composition 5153, 8118
- taxonomy, keys 5239

***Valeriana alliariifolia,*** rhizomes, composition 2449
***Valeriana officinalis***
nutrition 5240
soilless culture 5240
***Valeriana wallichii,*** tissue culture, propagation, techniques 4528
**Valerianaceae,** plant, composition, reviews 5152
***Valerianella locusta***
cultivars, protected cultivation 3517
frost, injuries 982
plant, composition 4985
protected cultivation
carbon dioxide 3351
cultural methods 3517, 7817
***Valerianella olitoria*** *(see Valerianella locusta)*
***Valsa,*** apricots 3992
***Valsa cincta,*** peaches 1339
***Valsa leucostoma,*** peaches 1339
**Vanadium**
composition, fungi 4341
metabolism, seasonal variation, *Menyanthes trifoliata* 6206
***Vangueria venosa,*** plant, composition 6163
***Vanilla***
production, Indonesia 6133
species, characteristics, Cuba 3602
***Vanilla aromaticum,*** leaves, cytology 4407
***Vanilla planifolia***
nectaries 6841
pods, composition 9065
seeds, germination, histology 5107
tissue culture
organogenesis 5108
propagation, techniques 6867
***Vanillosmopsis arborea,*** plant, composition 9080
**Vascular system**
*Ajuga reptans* 8800
apples 8459, 8465
carrots 976
grapes 167
*Hevea* 711, 1229-1230
Magnoliaceae 6084
sugarcane 1868
*Vicia faba* 8799-8800
woody plants 37
***Vateria,*** products, resins 1093
***Vatica hullettii,*** plant, composition 5156
**Vegetables**
conferences 3914
cultivars
assessment, USA 7442
pests 3354
winter hardiness 7145
cultural methods
China 7117
UK 8661
USSR 735
diseases
bacteria 5627
control, Austria 6581
fungi 5627
viruses 3353
drying, equipment 7193
economics, UK 8661
frost, injuries 7151
fungicides, residues 2788
grading
equipment 43
techniques 42
handling, injuries 7198
harvesting
injuries 7198
techniques, mechanical harvesting 41, 183
herbicides
application 7450
residues 2788
insecticides
application 3381
residues 2788, 5402
irrigation
requirements, determination 4823
water, composition 372
leaves, composition 4661
mulching, materials 4630
mycorrhizas 5398
**Vegetables** *cont.*
nutrients, requirements, assessment 6280
nutrition
deficiency 5625
phosphorus 5626
potassium 5626
nutritional value 184
packing
containers 8442
materials 4620, 8674
pests
Acari 7458
Aphididae 180
biological control
Bulgaria 181
USSR 178
*Ceratitis capitata* 3933
control
Australia 7606
Colombia 6580
India 4649
Japan 7179
USA 8669
*Frankliniella occidentalis* 180
integrated control
Bulgaria 181
USSR 178
*Liriomyza trifolii* 8670
*Meloidogyne incognita* 3354
*Nipaecoccus viridis* 4650
Tephritidae 4614
*Tetranychus urticae* 180
*Trialeurodes vaporariorum* 180
plant, composition 24, 1913, 5629
planting stock, production, techniques 5627
pollution
cadmium 4100, 7448
lead 7448
mercury 1405
selenium 1405
production, USSR 4815
protected cultivation
carbon dioxide 31, 34, 4103
cultural methods 5385
energy conservation 8398
heating systems 7449, 8398
irrigation 4823
pests 178, 180, 7456, 7458
systems
greenhouses 6578
plastic fabric 5622
plastic film 5622, 8401
reports
Canada 12
Colombia 3213
German Federal Republic 14, 732, 3214
India 4619
Irish Republic 3212
Norway 7135
respiration, measurement 5409
rotations 4652
salinity, responses 6408
seedlings
planting, mechanical methods 4820, 5620, 7445-7446
production
containers 4820, 5620
cultural methods, reviews 3350
growing media 7147
protected cultivation 4099, 5619
seeds
composition 5618
germination, physiology 5618
production
books 729
Mediterranean 7459
quality
assessment 5617
cultural methods 4829
growth regulators, reviews 1403
sowing, equipment 1404
treatment 5627
senescence, reviews 2085
soil fumigation 7450
soilless culture
growing media 6728, 8943
irrigation 6387
systems, assessment 6728
**Vegetables** *cont.*
storage
losses 6583
packing 6583
physiology 2609, 7460
quality, assessment 8673
systems, cold storage 2791, 6413
temperature 6583
treatment 7461
wraps, reviews 6414
tissue culture
propagation, micropropagation 4821
responses, light 1257
transpiration, physiology 2609
transport, containers 8442
weed control 5623
**Venezuela**
apples, cultural methods 1920
*Citrus,* rootstocks 3125
grapes
cultivars 2755
cultural methods 836
guavas, cultural methods 3177
***Venturia inaequalis***
apples 17, 750-751, 1274, 1290, 1292, 1301, 1921-1922, 1950, 1953, 2613-2616, 3215, 3235, 3249, 3948-3949, 4687, 5405, 5425-5426, 6439, 6444, 6447-6450, 6464, 7218, 7222, 7239, 7241, 7244, 8423, 8488, 8491-8494, 8519
*Malus* 1053
*Malus orientalis* 5426
***Venturia pirina***
pears 751, 1344, 4741, 5405, 5503
*Pyrus* 5503
*Pyrus pyrifolia* 5507
***Vepris fitoravina,*** leaves, composition 3119
***Vepris macrophylla,*** leaves, composition 3119
***Verbena***
pests
Aleyrodidae 3629
*Trialeurodes vaporariorum* 6773
***Verbena bonariensis,*** cut flowers, production, protected cultivation 1583
***Verbena brasiliensis,*** plant, composition 634
***Verbena rigida,*** cultural methods, bedding plants 6022
**Vermiculite**
utilization
growing media
*Capsicum* 7720
carnations 2202
cucumbers 6648
*Cyclamen persicum* 3566
foliage plants 5053
*Hibiscus rosa-sinensis* 3000
leeks 7720
melons 1471
*Nephrolepis exaltata* 442, 9006
pot plants 8946
*Radermachera sinica* 5063
tomatoes 8885, 8893
tissue culture, *Pelargonium zonale* 3550
***Vernonia,*** species, characteristics, USA 6799
***Vernonia adoensis,*** plant, composition 6163
***Vernonia angustifolia,*** ornamental value 6799
***Vernonia arkansana,*** ornamental value 6799
***Vernonia colorata,*** plant, composition 1086
***Vernonia condensata,*** plant, composition 7995
***Vernonia elaegnifolia,*** plant, composition 635
***Vernonia lettermannii,*** ornamental value 6799
***Vernonia lindheimeri,*** ornamental value 6799
***Vernonia polyanthes,*** plant, composition 7995
***Veronica longifolia,*** cultural methods, pot plants 6786
***Verticillium***
olives 8214
ornamental plants 5948

***Verticillium*** *cont.*
strawberries 4056, 7359
tomatoes 3487, 5876, 7742
***Verticillium albo-atrum***
aubergines 2893, 6710
*Capsicum* 6710
hops 3697
***Verticillium dahliae***
apricots 7328
*Capsicum* 291
grapes 5599
plums 7328
***Verticillium fungicola***
*Agaricus bitorquis* 2182
mushrooms 2182, 3519, 4339
***Verticillium lecanii***
control
of Aphididae, chrysanthemums 380, 7188
of insects, ornamental plants 8949
of *Trialeurodes vaporariorum*, cucumbers 7188
***Vespula pensylvanica,*** sugarcane 9399
**Vetiver** (*see Vetiveria zizanioides*)
***Vetiveria zizanioides,*** plant, composition 4462
**Vibration**
avocados 2509
olives 3159
***Viburnum burkwoodii,*** cultivars, characteristics, USA 6118
***Viburnum cylindricum,*** seeds, composition 6152
***Viburnum farreri,*** cuttings, types, summer cuttings 2982
***Viburnum japonicum* × *Viburnum dilatatum,*** cultivars, characteristics, USA 500
***Viburnum lobophyllum* × *Viburnum japonicum,*** cultivars, characteristics, USA 500
***Viburnum rhytidophyllum,*** leaves, physiology 5073
***Viburnum trilobum,*** planting, seasons 2267
***Vicia,*** taxonomy, chemotaxonomy 5770
***Vicia faba***
cultivars
flowering 5778
growth 8791
yields 4235
cultural methods
Egypt 2866
reclaimed land 5773
cytology 4915
defoliation, responses 2867
diseases, *Botrytis*, reviews 8792
flowers
anatomy 8799
composition 3430
initiation
photoperiodism 5778
temperature 5778
growth regulators
ABA
composition 5775
metabolism 5776
physiology 8795-8798
brassinosteroids, composition 7190
ethylene
biosynthesis 5777
metabolism 1496
fusicoccin, physiology 8798
GA, responses 8790
gibberellins, composition 279
IAA, physiology 8798
itaconic acid, absorption 6410
jasmonic acid, composition 1495
NAA, responses 8790
herbicides
injuries 5772, 6681
tolerance 5793
insecticides, translocation 8800
intercropping, rice 271
irrigation
requirements, determination 4914
responses 8789
water, salinity 8787-8788
leaves
biochemistry 7651
antioxidants 926
magnesium 925
***Vicia faba*** *cont.*
leaves *cont.*
composition 4859, 5776
physiology 2868, 3428-3429, 4237, 5774-5775
senescence 4238
nectar 3620, 8799
nectaries 8799-8800
nutrition
nitrogen 2866, 5773, 6683, 8788, 8791
phosphorus 1494, 2866, 3426, 4234-4235, 7669
potassium 1494, 3426, 8788
pesticides, injuries 5403
pests, *Bruchus rufimanus* 8793
photoperiodism 5778
photosynthesis
biochemistry 2134, 4916, 5774, 7649-7650
defoliation 2867
inhibitors 5774
light 5774, 7649-7650
physiology 2135
sulphur dioxide 3425
plant
development
apical dominance 2133
assessment 6685
physiology 6684
planting, spacing 4235
pods
composition 1495
development, pruning 2133
drop, physiology 8790
physiology 1497
ripening, physiology 8790
pollution
acids 4913
sulphur dioxide 1493, 3425, 4913
protected cultivation, carbon dioxide 7648
reports, Colombia 3213
roots
cytology 3427, 5772, 8794
nodulation 2866, 6682
salinity, responses 8787
seeds
composition 279, 3423, 4206, 5771, 7646
development, biochemistry 924
germination
biochemistry 5771
salinity 8787-8788
sowing
sowing date 270, 8786
spacing 270-271
storage, physiology 4816
treatment 3424, 4234, 8788
shade, responses 6680
soil amendments 7447
soil compaction, responses 5624
soil conditioners, responses 5773
taxonomy, chemotaxonomy 5770
tissue culture, propagation, techniques 7647
transpiration, seasonal variation 8789
water relations
physiology 1497, 7648, 8797
soil water 927
weed control 4236, 5793, 6681
***Vicia sativa,*** nectar 3620
***Vicia truncatula,*** plant, composition 1702
***Vicoa indica,*** plant, composition 5241
***Vigna,*** taxonomy, chemotaxonomy 6665
***Vigna mungo,*** herbicides, injuries 4822
***Vigna radiata***
herbicides, injuries 4822
plant, composition 8836
***Vinca herbacea,*** cultural methods, USSR 2450
***Vinca major***
as ground cover plants, cultural methods 6004
leaves, composition 5242
roots, composition 1182
***Vinca minor,*** as ground cover plants, cultural methods 6004
***Vinca rosea*** (*see Catharanthus roseus*)
***Viola***
as weeds
lawns and turf 7886
peas 8809
seedlings, production, protected cultivation 987
***Viola arvensis,*** as weeds, peas 1501
***Viola odorata,*** as ground cover plants, cultural methods 6004
***Viola tricolor,*** seeds, production, pollination 8966
***Viola wittrockiana,*** reports, German Federal Republic 17, 732
***Virachola isocrates***
mandarins 3836
pomegranates 6277
***Virola calophylla,*** plant, composition 4468
***Virola calophylloidea,*** plant, composition 7001
**Viruses**
control
of *Cydia pomonella*, apples 67, 8500
of *Oryctes rhinoceros*, coconuts 8261
of *Pieris rapae, Brassica* 7553
of *Plutella xylostella, Brassica* 7553
vegetables 3353
***Viscum album,*** shoots, composition 2451
***Viscum cruciatum***
hosts, *Rhamnus* 1183
plant, composition 1183
**Vitamin A** (*see* Carotenes)
**Vitamin B**
application, cucumbers 6642
composition
*Amaranthus tristis* 3181
*Capsicum* 2156
grapes 2081
pawpaws 3181
tomatoes 2156
deficiency, plants 8903
metabolism, nutrition, tomatoes 2156
responses
*Ficus retusa* 5090-5091
pears 4743
**Vitamin C** (*see* Ascorbic acid)
**Vitamin D**
composition, *Codonopsis clematidea* 1725
determination, plants 4522
metabolism, biochemistry, *Phaseolus vulgaris* 7643
**Vitamin E**
composition
tea 9407
*Voacanga africana* 2452
*Zingiber officinale* 4446
**Vitamin K**
composition, *Hippophae rhamnoides* 5569
responses
oranges 3844
pawpaws 8307
**Vitamin P,** composition, pears 4742
**Vitamins**
application, cucumbers 6642
composition
fruit crops 5414
*Ilex* 2392
pawpaws 6316
responses, chestnuts 3999
***Viteus vitifoliae,*** grapes 2053, 2056, 3214, 4790, 8639-8640
***Vitex rotundifolia,*** leaves, composition 4529
***Vitex trifolia,*** leaves, composition 5118
***Vitis*** (*see also* Grapes)
species, characteristics, USSR 2748
taxonomy, chemotaxonomy 4788
***Vitis aestivalis,*** taxonomy, chemotaxonomy 5571
***Vitis amurensis***
pollution, sulphur dioxide 5072
taxonomy, chemotaxonomy 5571
***Vitis riparia***
flowers, development, histology 8649
plant, anatomy 4066
pollution, sulphur dioxide 5072
taxonomy, chemotaxonomy 5571

***Vitis riparia*** *cont.*
tendrils, anatomy 4066
***Vitis thunbergii,*** leaves, composition 4788
***Voacanga africana***
plant, composition 4471
products, oils 2452
seeds, composition 2452
**Volatile compounds**
composition
*Angelica* 1710
apples 3980
*Astragalus membranaceus* 3052
atemoyas 4564
*Benincasa hispida* 3408
*Carica pubescens* 4606
celery 3513
*Cucurbita maxima* 4192
*Cydonia sinensis* 4024
*Elettaria cardamomum* 7954
*Eugenia javanica* 5116
*Ferula* 579
figs 3296
*Gloeophyllum odoratum* 5124
*Hyptis pectinata* 5118
kiwifruits 3301
*Laurus nobilis* 4474
*Lavandula angustifolia* 4474
*Lentinellus cochleatus* 5124
*Lentinula edodes* 3528
*Lippia graveolens* 2403
*Mentha piperita* 4474
*Michelia montana* 2397
*Monarda fistulosa* 4474
*Montanoa tomentosa* 2403
nectarines 8558
*Peperomia subespatulata* 4511
pummelos 9277
quinces 3293
*Rhanterium epapposum* 5132
*Rosa* 1639
*Rosa gallica* 4474
*Rosmarinus officinalis* 4474
*Salvia sclarea* 4474
*Solanum muricatum* 5291
stone fruits 1340
*Thuja orientalis* 4474
tomatoes 4326, 4332
*Tuber melanosporum* 4344
*Valerianella locusta* 4985
*Vitex trifolia* 5118
walnuts 3296
woody plants 5074
*Zingiber officinale* 5138
*Zygopetalum mackayi* 9023
determination
essential oil plants 2313
oranges 4552
quinces 4023
metabolism
diurnal variation, plants 6108
environment, tea 6359
growth regulators, apples 2644
packing, persimmons 3160
ripening
bananas 4568
guavas 9350
mangoes 3882
melons 3404
storage
apples 80, 2644, 5476
cucumbers 257
tomatoes 4332
*Zingiber officinale* 7964
**Voles,** apples 69
***Volvariella esculenta,*** cultural methods, China 2198
***Volvariella volvacea***
composition 1555, 2185, 2938, 3532
cultural methods, China 2199, 3533
fungicides
injuries 5940
tolerance 5940
mutants, induction, gamma radiation 3532
***Vriesea splendens,*** tissue culture, organogenesis 4347
***Vriesea zamorensis,*** tissue culture, organogenesis 4347
***Waldsteinia ternata,*** as ground cover plants, assessment 7823
**Walnuts**
buds, dormancy, temperature 771
cultivars
assessment
Albania 4025
India 8591
USSR 2702, 5525
characteristics
France 1356
Hungary 2014
flowering 123, 2015
flowering date 4027, 7332
pollination 1358, 7332
precocity 7330-7331
drought, resistance, physiology 4757
flowers
development
assessment 7332
cultivars 123
drop, cultivars 2015
frost, resistance, assessment 1357
fruits
composition 47
morphology 2703
grafting, techniques, bench grafts 3294
growth regulators, ethephon, responses 8592
handling, equipment 5526
harvesting, techniques, assessment 8592
leaves, composition 3295-3296
nuts, composition 3295
pests
*Acrobasis nuxvorella* 4026
*Cydia caryana* 4026
*Datana integerrima* 4026
*Hyphantria cunea* 4026
surveys, techniques 743
pollen, germination, temperature 123
pollination, biochemistry 1358
production
Chile 7204
France 1270
USSR 5381
reports, German Federal Republic 732
seeds, composition 47, 3936
tissue culture, propagation, micropropagation 740
***Warburgia stublmannii,*** plant, composition 6239
***Warburgia ugandensis,*** plant, composition 6239
***Washingtonia filifera***
geographical distribution 6859
seedlings, development, histology 9047
seeds
anatomy 6119
germination, histology 9047
histology 6119-6120
**Water relations** (*see also* Drought; Transpiration)
biochemistry
apples 767
avocados 2488
*Citrus* 2488
peas 5789
*Phaseolus vulgaris* 5765
sugarcane 717
tomatoes 7782
circadian rhythm, *Phaseolus coccineus* 7640
cultivars
apples 1924, 7220
apricots 781
cherries 815
grapes 8647
plums 815
strawberries 2723
cytology
*Phaseolus vulgaris* 2130
temperate fruits 3974
diurnal variation
feijoas 3856
*Kalanchoe daigremontiana* 1620
peaches 4009
flooding
tea 6356
*Vaccinium ashei* 2032
flowering, mangoes 8291
fruiting, tomatoes 4972
growing media, horticultural crops 8417
**Water relations** *cont.*
growth regulators
apples 768
*Asparagus densiflorus* 1900
*Capsicum* 4286
cherries 768
*Forsythia spectabilis* 1051
grapes 849
pecans 112
*Phaseolus vulgaris* 8781
harvesting, apples 1963
humidity
cocoa 1827
*Tradescantia virginiana* 5026
intercropping, *Capsicum* 294
irrigation
apples 3241
grapes 168
peaches 6488
radishes 888
lead
cucumbers 6667
*Phaseolus vulgaris* 6667
light, *Tradescantia virginiana* 5026
measurement
apples 2019
calamondins 7029
*Euphorbia lathyris* 640
grapes 167
kiwifruits 2019
peaches 8543
pecans 6505
morphology, *Sansevieria* 7906
mycorrhizas
container grown plants 2280
*Rosa multiflora* 2277
nutrition
apples 71
*Capsicum* 3483
cauliflowers 5687
mandarins 8177
organogenesis, feijoas 3856
physiology
*Agave deserti* 1026
*Agave vilmoriniana* 7191
apples 8509
avocados 5259
bananas 7059
*Capsicum* 4292, 7726
carrots 7191
cherries 3270
*Citrus* 1801
*Clematis* 5086
cocoa 9328
coffee 7075, 8277
*Cucurbita maxima* 898-899
*Cyamopsis tetragonoloba* 2869
*Digitalis lanata* 3751
*Drosanthemum hispidum* 6052
grapes 4804
greenhouse crops 6387
*Kalanchoe daigremontiana* 1621
*Macadamia* 663
melons 4195
olives 8218
oranges 1802
*Parthenium argentatum* 1786, 3824
peas 4928, 5787, 7683
pecans 6506, 7320
*Persea schiedeana* 5259
*Phaseolus vulgaris* 3417, 5750, 6669, 6677, 7641, 7644
plants 1914
*Portulacaria afra* 1622
radishes 7191
*Senecio articulatus* 443
*Simmondsia chinensis* 7006, 9225
strawberries 2723
sugarcane 5334
tea 8360
tomatoes 340, 2924, 6725, 6750, 7683, 8905
*Trigonella foenum-graecum* 6866
tulips 2957
*Vicia faba* 1497, 7648, 8797
propagation, woody plants 4434
protected cultivation
cucumbers 4188
tomatoes 4307
rootstock scion relationships, apples 3950

**Water relations** *cont.*
- salinity
  - avocados 5256
  - *Citrus* 4539
  - oranges 1803
- seasonal variation
  - almonds 5422
  - grapes 2078
  - peaches 4009
  - tea 1241
- soil amendments, *Rosa multiflora* 2277
- soil management
  - bananas 3166
  - oranges 5269
- soil types, grapes 5592
- soil water
  - peaches 8542
  - *Vicia faba* 927
- soilless culture, tomatoes 4312, 8887
- temperature
  - aubergines 955
  - cocoa 3170
  - container grown plants 2280
  - cucumbers 4189
  - *Cucurbita ficifolia* 4189
  - roses 4422
  - tea 1241
  - *Vaccinium* 4052
  - vegetables 2083
- tissue culture, Chinese cabbages 2832

**Waterlogging**
- apples 756
- mangoes 7082

**Watermelons**
- cold, resistance, cultivars 5707
- cultivars
  - assessment
    - Bulgaria 4176
    - USSR 7578
  - biochemistry 4174
  - characteristics, USSR 2787, 7584
  - diseases 5707
  - mechanical harvesting 2115
  - protected cultivation 4891
  - temperature 5707
  - yields 4176
- cultural methods, Mauritius 7140
- diseases, *Fusarium oxysporum* 5736
- fruits
  - colour, cultivars 4174
  - composition 184
  - cytology 8762
  - maturity, assessment 3407
  - ripening
    - biochemistry 8762
    - growth regulators 8762
- growth regulators, ethylene, responses 8762
- herbicides, application 7592
- insecticides, residues 3934
- irrigation
  - responses 4181
  - water, magnetism 892
- mulching, responses 4181
- nutrients, requirements, analysis 6650
- nutrition
  - magnesium 7601
  - nitrogen 7601
  - phosphorus 7601
  - potassium 7601
  - trace elements 7601
- pests
  - *Agrotis* 7140
  - Tephritidae 7140
- photosynthesis, spacing 6658
- protected cultivation
  - spacing 6658
  - systems, greenhouses 4891
- reports
  - Colombia 3213
  - Cyprus 731
- roots, development, assessment 5741
- rotations 8746
- seedlings
  - development
    - biochemistry 4190
    - growth regulators 2847, 7611
    - light 2847
- seeds
  - biochemistry, light 1479
  - germination, light 7586

**Watermelons** *cont.*
- seeds *cont.*
  - production, economics 3405
- soil compaction, responses 2843
- soil management, systems 4182
- storage
  - diseases 8765
  - disorders 8765
  - physiology 6663
- weed control 3352, 7592

***Watsonia pyramidata,*** flowers, histology 8967

**Waxes**
- application, grapes 3325
- biochemistry
  - *Asparagus* 3466
  - *Citrus halimii* 4544
  - *Nepeta hindostana* 6209
  - oil palms 5326
  - oranges 4545
- characterization, *Simmondsia chinensis* 8143, 8153, 8155
- composition
  - *Euphorbia* 639
  - *Origanum dictamnus* 3783
  - *Synadenium grantii* 639
- metabolism
  - light, apples 3979
  - temperature, *Simmondsia chinensis* 8142

***Wedelia,*** chromosomes 7825

***Wedelia chinensis,*** plant, composition 1697

**Weed control**
- apples 3240, 5449-5450, 7230, 8469
- *Asparagus* 4273, 7704
- black currants 5537
- *Brassica* 231
- broccoli 8665
- *Buxus sempervirens* 9030
- cabbages 232, 882, 1447, 4157, 4163-4165, 5683
- *Capsicum* 2151, 3478-3479, 4287, 4310, 4939, 5882
- carrots 4333, 5923, 7451, 7476, 8607
- cauliflowers 232, 4156
- cherries 8469
- Chinese cabbages 8665
- *Citrus* 7017
- clementines 8395
- cocoa 7066
- coconuts 3876
- coffee 3176
- conferences 7128, 8377-8378
- container grown plants 1630, 3537, 3618, 5944, 6072
- cucumbers 5719
- *Cucurbita pepo* 891
- essential oil plants 3030
- foliage plants 3586
- *Fraxinus* 6070
- fruit crops 29, 848, 4348, 8447
- *Gerbera* 383
- *Gladiolus* 1600, 8973
- grapes 4077-4079, 4348, 4791, 5583-5585, 5587, 6550, 7397, 8395, 8635, 8640
- *Hevea* 3886-3888, 8314, 9377
- hops 4463
- horticultural crops 177, 5379, 8393
- Jerusalem artichokes 5661
- kiwifruits 3299
- kohlrabi 882
- *Lagerstroemia indica* 9030
- *Lavandula* 3677
- lawns and turf 1611-1612, 2243-2244, 2965, 3577-3579, 3582, 4348, 4386, 6039-6040, 7886-7888, 8988-8989
  - bibliographies 5047
- leeks 7468, 7475
- lemons 8395
- lettuces 7451
- *Liriope* 9030
- *Malus* 6070
- medicinal plants 3030
- melons 249, 7593-7594, 8748
- oil palms 3884, 5325, 8314, 9364-9365
- okras 286, 5841
- olives 666-667, 3156, 8395

**Weed control** *cont.*
- onions 864, 1411-1412, 2092, 4110, 5637-5639, 7451, 7474-7476, 8684
- ornamental plants 370, 3536, 4348, 5945, 6770, 7828
- *Papaver somniferum* 601, 1157, 3789
- parsnips 5923, 8665
- *Parthenium argentatum* 1785
- peaches 1334, 5492
- pears 1346
- peas 276, 1501, 3431, 5793-5794, 6687, 7665, 8808-8809
- *Petroselinum crispum* 5923
- *Phaseolus vulgaris* 2128, 3410-3411, 5793
- pineapples 1845
- planting stock 7936
- *Pleurotus sajor-caju* 1559
- plums 5520, 8578, 8580
- *Prunus* 6070
- pumpkins 5718
- radishes 882
- raspberries 3304, 8603
- *Rhododendron* 9030
- rhubarb 5846
- *Ribes* 4758
- *Rumex acetosa* 8665
- satsumas 6247
- *Scorzonera* 7475
- small fruits 4029, 4032, 4772-4773
- *Sorbus* 6070
- *Sorbus aria* 6070
- *Sorbus aucuparia* 4441
- spinach 1424, 7495-7496, 8694
- *Stachys sieboldii* 8665
- strawberries 4060, 4774-4778, 5560, 8615
- sugarcane 1232, 1860, 6335-6337, 8329
- tea 4597
- *Telfairia occidentalis* 7597
- temperate fruits 3942, 7208-7209, 8449
- *Tilia* 6070
- tomatoes 322, 1532, 3490-3491, 4310, 5794, 5882-5883, 5885, 7755, 8881
- tulips 2232
- *Vaccinium* 8610
- *Vaccinium angustifolium* 8608-8609
- *Vaccinium macrocarpon* 8607
- vegetables 176, 3352, 5623, 7450
- *Vicia faba* 4236, 5793, 6681
- watermelons 7592
- woody plants 6071, 7130, 7936

**Weeds**
- allelopathy, sugarcane 6333
- biology, grapes 8635
- competition
  - container grown plants 479
  - lawns and turf 6040
  - oil palms 9364
  - okras 5841
  - *Vaccinium* 4048
- populations, assessment, fruit crops 5418
- surveys
  - German Democratic Republic, temperate fruits 7208
  - Spain, grapes 6550
  - Syria, fruit crops 8394

***Weigela,*** protected cultivation, systems, plastic film 3617

***Weigela florida,*** cuttings, rooting, growing media 3615

**Welsh onions**
- cultivars, planting, seasons 2097
- seeds, development, embryology 1422
- soilless culture, cultural methods 6591
- storage, precooling 6592

***Wendlandia bicuspidata,*** plant, composition 8119

***Westringia***
- herbicides, injuries 6072
- weed control 6072

**White currants,** cultivars, characteristics, Hungary 2023

**Wild plants**
- conservation, German Federal Republic 986
- cultural methods, roofs 986
- edible species 5157

**Wild plants** *cont.*
ornamental plants, cultural methods, Australia 5069
surveys
India 5157, 5415
USSR 6158
**Wind**
injuries, woody plants 7918
protection, tea 3894
responses, *Phaseolus coccineus* 5751
**Windbreaks** (*see also* Shelterbelts)
horticultural crops 30
tomatoes 4954
**Winter hardiness** (*see also* Cold; Frost)
assessment
apricots 3993
*Eucalyptus* 7944
*Hippophae rhamnoides* 2743
*Prunus* 1918
raspberries 4037
woody plants 3614, 4413, 9028
books 5364
biochemistry
apples 7257
*Hibiscus rosa-sinensis* 1652
cultivars
almonds 8446
apples 1922, 1929, 2619, 3955, 8511
apricots 2648, 3986, 3991, 4713
*Camellia* 9031
cherries 3996
figs 1981
gooseberries 2709
grapes 4072
*Hedera* 466
horticultural crops 7145
peaches 4713, 4727, 7300
pears 1344, 2686, 5504
plums 2010, 7324
raspberries 2026, 2712-2713, 7346, 8599
strawberries 4055
temperate fruits 8446
*Vaccinium corymbosum* 5546
cyanamide, peaches 6486
environment, grapes 1378
growth regulators, peaches 6486
histology, grapes 4067
hybrids
*Lagerstroemia* 6111
*Rosa kordesii* 6094
irrigation, peaches 7300
physiology
apples 3950, 8510
apricots 3993-3994
grapes 1397, 2776, 5609
*Lonicera japonica* 4413
peaches, reviews 1996
pruning, grapes 2062
rootstock scion relationships
apples 5439
grapes 6548
peaches 5439
rootstocks
apples 1285
grapes 6547
temperate fruits 6415
soil management, peaches 7300
soil temperature, ornamental plants 7827
spacing, apples 1929
water relations, grapes 2078
***Wisteria floribunda,*** plant, composition 2453
***Withania coagulans,*** fruits, composition 3822
***Withania somnifera,*** plant, composition, reviews 9105
**Wood chips**
utilization
fertilizers, vegetables 2089
growing media
*Poria cocos* 8939
*Radermachera sinica* 5063
**Wood shavings,** utilization, growing media, foliage plants 2252
***Woodfordia fruticosa***
characteristics 2458
plant, composition 1696
**Woody plants**
acaricides, application 7829
as ground cover plants, assessment 2201
breeding, selection 3614, 7130
buds, dormancy, physiology 1904
cultural methods
containers 4411
roofs 2983
urban sites 458
cuttings, sources, cultural methods 1629
dormancy, growth regulators, reviews 1905
economics, USA 4409
flowers, initiation, temperature 1037
frost, injuries 7150
growing media, composition 8945
herbicides
application 3619, 7936
injuries 3619, 7936
insecticides, application 7829
irrigation, requirements, determination 6074
landscaping
assessment 4408
coastal areas 2264
Hong Kong 4410
industrial sites 5072
UK 2981
urban sites 456, 4409, 6065-6068, 7130, 7913, 8940
USA 7914
USSR 458
leaves, physiology 5073
parasitic plants, *Phoradendron tomentosum* 1033
pests
Acari 7829
insects 7829
*Nipaecoccus viridis* 4650
plant
composition 36
development, measurement 2981
planting stock
overwintering, reviews 9025
production
containers 2266, 8945
techniques 1629, 7936
pollution
exhaust gases 7913
tolerance 4414
products, timber 2984
propagation, economics 4999
pruning
equipment 6073
systems, assessment 6073
roots
development
assessment, books 727
planting 4415
soil temperature, responses 7827
tissue culture
propagation
meristems 3616
micropropagation 4999
reviews 4627, 5071
protoplasts 3923
transpiration, measurement 6074
utilization
shade plants 8940
tropical crops 9340
shelterbelts 3228
weed control 7936
wind, injuries 7918
winter hardiness
assessment 4413, 9028
books 5364
**Wounds**
biochemistry
*Lactarius* 1557
spinach 7500
tomatoes 3508
healing
*Eucommia ulmoides* 578
peaches 1339
woody plants 1036
physiology, tomatoes 3507
responses
*Hevea* 8322
mangoes 8292
**Wounds** *cont.*
responses *cont.*
peaches 5490
raspberries 7352
roses 476
***Wrightia coccinea,*** seeds, composition 9068
***Wrightia religiosa,*** nutrition, iron 9048
***Wrightia tinctoria,*** seeds, composition 9068
***Wrightia tomentosa,*** seeds, composition 6152
***Xanthium strumarium,*** plant extracts, application, aubergines 3699
***Xanthomonas, Hedera helix*** 7924
***Xanthomonas albilineans,*** sugarcane 5333, 8325, 9381
***Xanthomonas ampelina,*** grapes 6538, 6565
***Xanthomonas campestris***
cabbages 4147
*Matthiola incana* 6772
sugarcane 5332
*Syngonium podophyllum* 498
***Xanthomonas campestris* pv. *campestris,*** cabbages 1449
***Xanthomonas campestris* pv. *citri***
*Citrus* 4541, 8186-8187, 9258
natsudaidais 7025
***Xanthomonas campestris* pv. *corylina,*** hazelnuts 6481
***Xanthomonas campestris* pv. *hederae,*** *Schefflera* 2967, 4401
***Xanthomonas campestris* pv. *hyacinthi,*** hyacinths 2220, 6027, 8974-8975
***Xanthomonas campestris* pv. *juglandis,*** walnuts 1356, 7332
***Xanthomonas campestris* pv. *pelargonii,*** *Pelargonium* 6772
***Xanthomonas campestris* pv. *pruni***
apricots 3992
peaches 1986, 2672, 8535
*Prunus* 5518
stone fruits 7210
***Xanthomonas campestris* pv. *vesicatoria,*** tomatoes 2915
**Xanthones**
characterization, mangosteens 6951
composition
mangosteens 1877
*Swertia chirata* 9213
*Swertia speciosa* 6992
***Xanthosoma robustum,*** pollination, physiology 5949
**Xanthotoxins,** production, cultural methods, *Ammi majus* 4477
***Xestia c-nigrum,*** grapes 8640
***Xiphinema***
apples 2631
grapes 7429
peaches 2631
***Xiphinema diversicaudatum,*** hops 4782
***Xylaria,*** sugarcane 1867
***Xyleborus fornicatus,*** tea 5349
***Xylopia aethiopica,*** fruits, composition 7967
***Xylosandrus compactus,*** coffee 692
**Yearbooks,** avocados 4610-4611
**Yields**
correlation
almonds 50
apples 1928, 2617
bananas 3870
broccoli 233
*Capsicum* 4285
carrots 355, 974
cherries 789
garlic 2087
grapes 175, 3337, 3342, 7437
*Hevea* 8320
*Jasminum auriculatum* 7980
oil palms 9371
olives 672
oranges 1198
*Papaver* 3787
peas 4239, 4270
raspberries 825
*Simmondsia chinensis* 9236-9237
strawberries 5553, 7356
sugarcane 6346, 9380
*Syzygium aromaticum* 505

**Yields** *cont.*
correlation *cont.*
*Tanacetum cinerariifolium* 1084, 8002
tomatoes 2158, 3493, 4302
*Vaccinium angustifolium* 4048
*Vaccinium myrtilloides* 4048
diseases
*Asparagus* 283
carrots 5924
guavas 9347
lettuces 5675
oranges 8190
peaches 8550
pears 108
pineapples 6325
sugarcane 5344
forecasting
fungi 2186
oil palms 9372
*Piper nigrum* 3658
pests
carrots 5924
okras 3472, 8843
peaches 8550
peas 8832
seasonal variation
guavas 5308, 8278
sugarcane 5345
weeds
leeks 7475
onions 7475
*Scorzonera* 7475
***Yucca***
pollination, techniques 6056
seeds, production, pollination 6056
***Yucca aloifolia***
leaves, composition 1185
plant, composition 1184
pollination, techniques 6056
***Yucca gloriosa,*** tissue culture, biochemistry 8120
**Yugoslavia**
cherries, cultivars 1973
grapes, cultivars 4075
*Mentha piperita,* cultivars 4458
*Phaseolus vulgaris,* cultivars 4202
plums, cultivars 4017
red currants, cultivars 6514
**Zambia,** *Brassica,* cultural methods 5677
***Zamia pumila***
reproduction, physiology 4442
roots, development, growth regulators 1663
***Zantedeschia***
cut flowers
handling 2240
physiology 2240
reports, New Zealand 1892
***Zantedeschia elliottiana,*** cultural methods, pot plants 417
***Zantedeschia rehmannii,*** cultural methods, pot plants 417
***Zanthoxylum,*** taxonomy, chemotaxonomy 1778
***Zanthoxylum coriaceum,*** taxonomy, chemotaxonomy 1778
***Zanthoxylum pistacifolium,*** plant, composition 1779
***Zebrina pendula,*** plant, composition 1615
***Zelkova serrata***
salinity, tolerance 9029
shade, measurement 461
**Zeolites,** utilization, fertilizers, *Capsicum* 6708
**Zero gravity**
conferences, horticultural crops 5378
responses, tomatoes 968
***Zetzellia mali,*** apples 8495
***Zeuzera multistrigata,*** cherries 7286
***Zeuzera pyrina, Eucalyptus*** 9044
***Zieria,*** plant, composition 5110
**Zinc**
absorption
cocoa 9323
dates 9278
kiwifruits 2021
pears 7422
peas 7670
*Phaseolus vulgaris* 911
*Pleurotus sajor-caju* 5938

**Zinc** *cont.*
absorption *cont.*
strawberries 8618
tomatoes 332, 6733
vegetables 242
woody plants 4414
composition
apples 6433-6434
*Asparagus* 3468
*Auricularia polytricha* 364
avocados 5255
*Baccaurea sapida* 4604
bananas 682
*Boletus tropicus* 2190
*Capparis decidua* 1821
cauliflowers 6624
cocoa 4576
coconuts 4577
coffee 7076
*Flacourtia jangomas* 4604
fruit crops 5414
fungi 2184
grapes 2081
guavas 5309
*Macadamia* 9283
mangoes 2556, 5315
melons 6650
oranges 6248
*Suillus granulatus* 2190
tea 721
tomatoes 8887
vegetables 4825
watermelons 6650
*Ziziphus mauritiana* 8364
deficiency
apples 3960, 5464
cashews 3871
cauliflowers 5687
*Citrus* 1794
coffee 3878
*Cola nitida* 2554
*Hydrangea* 6845
mangoes 8290
pecans 813
tomatoes 5464
determination, *Mentha piperita* 2314
fertilizers
assessment
oranges 8183
*Phaseolus vulgaris* 2859
metabolism
aluminium, grapes 7413
ammonium, chrysanthemums 6778
biochemistry, lettuces 4145
boron, apples 4686
calcium
coffee 3174
pawpaws 1842
tomatoes 3497
disorders, peaches 2677
flooding, pecans 7319
fruiting, *Litchi* 8212
growth regulators
apples 4686
cherries 4722
irrigation, tomatoes 7757
magnesium
mandarins 5272
satsumas 3834
manganese
apples 4686
oranges 8183
*Phaseolus vulgaris* 265
mulching, watermelons 4181
mycorrhizas
coffee 7071
*Rosa multiflora* 4423
nitrogen
cucumbers 5904
*Phaseolus vulgaris* 2859
tomatoes 5904
nutrition
*Peperomia obtusifolia* 3600
pistachios 7368
phosphorus
*Parthenium argentatum* 5246
*Phaseolus vulgaris* 2859, 7632
physiology
broccoli 237
pineapples 707
ripening, boysenberries 131

**Zinc** *cont.*
metabolism *cont.*
salinity, grapes 6562
seasonal variation
apples 3960
kiwifruits 5529
tea 4599
soil amendments
guavas 5310
peaches 4008
pecans 4015
tissue culture, pome fruits 1345
titanium, tomatoes 6734
nutrition
*Adiantum raddianum* 5055
apples 4684-4686, 5464, 7238
broccoli 5857
cabbages 1451
celery 2178
coconuts 5302
coffee 8264-8265
cucumbers 4895
garlic 6584
grapes 1386, 2070-2071, 2073, 4798, 5596, 6559, 6561, 7422
guavas 4583, 8280
hops 3696, 6888
*Litchi* 5287, 7036
mandarins 5272
melons 4896
onions 4112, 7477
oranges 7023
peaches 8548
pears 5509
*Phaseolus vulgaris* 4222
*Rosa damascena* 2318
*Saponaria officinalis* 2430
strawberries 7368
sugarcane 3190, 3890
tea 1872
tomatoes 2909, 5464, 7761, 8893
*Vaccinium angustifolium* 137
*Vicia faba* 2866
requirements
analysis
*Cyamopsis tetragonoloba* 1498
*Elettaria cardamomum* 7956
hazelnuts 7290
limes 9254
okras 3470
pears 4746
*Sechium edule* 3397
*Tilia platyphyllos* 3652
tomatoes 2907, 4967
responses
cucumbers 890
peas 1510
toxicity
*Phaseolus vulgaris* 268, 7621, 7634
woody plants 4414
translocation
peas 7670
*Phaseolus vulgaris* 1488
***Zingiber cassumunar,*** rhizomes, composition 1186
***Zingiber officinale***
cultural methods
India 9066
Nigeria 6135
intercropping, *Areca* 3012
marketing, Europe 7138
nutrients, requirements, analysis 8418
nutrition 3665
plant, composition 5138
planting stock, size 7963
reports, India 7134
rhizomes
composition 3663-3664, 4446, 7002, 7965
quality, storage 7964
roots, composition 507
storage, temperature 7964
tissue culture
propagation
meristems 6134
micropropagation 9067
***Zinnia***
cut flowers, production, cultural methods 3536
pests, *Liriomyza trifolii* 7832

***Zinnia elegans***
breeding, genetics 7857
cultural methods, pot plants 1593
diseases, *Alternaria zinniae* 4370
leaves, morphology 7857
**Zirconium**
composition
melons 6650
watermelons 6650
***Zizania latifolia,*** tissue culture, propagation, callus 983
***Ziziphora bungeana,*** wild plants, utilization, USSR 1780
***Ziziphora capitata,*** plant composition 3019
***Ziziphora denticulata,*** plant composition 3019
***Ziziphora persica,*** plant composition 3019
***Ziziphora puschkinii,*** plant composition 3019
***Ziziphora rigida,*** plant composition 3019
***Ziziphora serpyllacea,*** plant composition 3019
***Ziziphora taurica,*** plant, composition 7990
***Ziziphus***
diseases, *Oidium* 1875
leaves, composition 3205
***Ziziphus jujuba*** *(see Ziziphus mauritiana; Ziziphus sativa)*
***Ziziphus mauritiana***
cultivars
assessment, India 9408
pests 3904
fruits
composition 8364
development, nutrition 8364
quality
growth regulators 5355-5356
nutrition 5353
set, pruning 8363
pests, *Carpomyia vesuviana* 3904
plant, composition 1876
planting, spacing 8362
pruning
responses 8363
systems, assessment 8362
storage, treatment 5354
***Ziziphus nummularia,*** plant, composition 1876
***Ziziphus rugosa,*** plant, composition 7003-7004
***Ziziphus sativa***
climate, requirements 7109
fruits
biochemistry, cultivars 7109
composition 722
leaves, composition 7005
production, USSR 5381
tissue culture
propagation
micropropagation 7108
techniques 5352
***Ziziphus spina-christi***
cultural methods, Djibouti 8160
fruits, ripening, physiology 6360
shoots, composition 723
***Ziziphus vulgaris*** *(see Ziziphus sativa)*
***Ziziphus xylopyra,*** plant, composition 1876
***Zoegea leptaurea,*** plant, composition 6900
***Zoysia japonica***
grass clippings 6043
herbicides, tolerance 2244
nutrition 1022
nitrogen 6043-6044
phosphorus 6044
potassium 6044
seeds, production, cultural methods 6044
thatch, development 6043
tillering, cultural methods 6043
transpiration, measurement 6045
weed control 2965
***Zoysia japonica*** × ***Zoysia tenuifolia,*** transpiration, measurement 6045
***Zyginella mali,*** apples 8508
***Zygopetalum mackayi,*** flowers, fragrance, biochemistry 9023

# LIST OF SERIALS ABSTRACTED

Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1988 for this journal. All the titles are given in full, except abbreviated titles taken from secondary publications such as *Referativnyi Zhurnal*.
Many other serials were scanned during 1988 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSNs and publishers' addresses. See a separate page of this Index for details.

Abstracts on Field Beans
ACIAR Bacterial Wilt Newsletter
Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agraria et Silvestria, Agraria
Acta Agriculturæ Scandinavica
Acta Agriculturae Universitatis Pekinensis
Acta Agronomica Hungarica
Acta Agronómica, Universidad Nacional de Colombia
Acta Biochimica et Biophysica Sinica
Acta Biologiae et Medicinae Experimentalis
Acta Biologiae Experimentalis Sinica
Acta Botanica Croatica
Acta Botanica Hungarica
Acta Botanica Neerlandica
Acta Botanica Sinica
Acta Botanica Yunnanica
Acta Ecologica
Acta Entomologica Sinica
Acta Genetica Sinica
Acta Horticulturae
Acta Horticulturae Sinica
Acta Oecologica, Oecologia Plantarum
Acta Oto-Laryngologica
Acta Pharmaceutica Hungarica
Acta Pharmaceutica Jugoslavica
Acta Physiologiae Plantarum
Acta Phytopathologica et Entomologica Hungarica
Acta Phytopathologica Sinica
Acta Phytophylactica Sinica
Acta Poloniae Pharmaceutica
Acta Prûhoniciana
Acta Scientiarum Naturalium Universitatis Sunyatseni
Acta Societatis Botanicorum Poloniae
Acta Technologica Agriculturae
Acta Universitatis Agriculturae Brno, A (Facultas Agronomica)
Advances in Horticultural Science
Advances in Plant Sciences
Advances in Strawberry Production
Agfacts
Agrartechnik, German Democratic Republic
Agribusiness Worldwide
Agricoltura Ricerca
Agricontact
Agricultura Técnica
Agricultura Técnica en México
Agricultura Tropica et Subtropica
Agricultura, Spain
Agricultural and Biological Chemistry
Agricultural and Forest Meteorology
Agricultural Engineering Series
Agricultural Mechanization in Asia, Africa and Latin America
Agricultural Record, Australia
Agricultural Research Journal of Kerala
Agricultural Research Review
Agricultural Reviews
Agricultural Science Digest, India
Agricultural Situation in India
Agricultural Systems
Agricultural Water Management
Agricultural Zoology Reviews
Agriculture, Canada
Agriculture, Ecosystems and Environment
Agrivita
Agro Sur
Agroborealis
Agrochémia
Agrochimica
Agroforestry Systems
Agrohemija
Agrokhimiya
Agronomía Costarricense
Agronomia Lusitana
Agronomía Tropical
Agronômico
Agronomie
Agronomie Tropicale
Agronomy Journal
Agrotecnia de Cuba
Ahboroti Akademijai Fanḫoi RSS Toçikiston, Šū"bai Fanḫoi Biologija
Alexandria Journal of Agricultural Research
Allionia
Alon Hanotea
American Fruit Grower
American Journal of Botany
American Journal of Enology and Viticulture
American Nurseryman
American Orchid Society Bulletin
American Rhododendron Society Journal
American Vegetable Grower
Anais da Escola Superior de Agricultura 'Luiz de Queiroz', Universidad de São Paulo
Anais da Sociedade Entomológica do Brasil
Analele Institutului de Cercetări pentru Cereale şi Plante Tehnice, Fundulea
Analele Institutului de Cercetări pentru Protecţia Plantelor
Analele Ştiinţifice ale Universităţii "Al. I. Cuza" din Iaşi, IIA
Analele Universitatii Craiova, Biol. Agron. Hortic.
Anales de Edafología y Agrobiología
Anales de la Estación Experimental de Aula Dei, Spain
Anales del Instituto Nacional de Investigaciones Agrarias, Agrícola
Anales del Jardín Botánico de Madrid
Analytica Chimica Acta
Ancient Science of Life
Angewandte Botanik
Annales de l'Institut National Agronomique El-Harrach, Algeria
Annales de l'Institut Phytopathologique Benaki
Annales Universitatis Mariae Curie-Skłodowska, H (Oeconomica)
Annali dell'Accademia di Agricoltura di Torino
Annali dell'Istituto Sperimentale per la Frutticoltura, Italy
Annali dell'Istituto Sperimentale per la Meccanizzazione Agricola, Italy
Annali dell'Istituto Sperimentale per la Nutrizione delle Piante, Italy
Annali della Facoltà di Agraria, Università Cattolica del Sacro Cuore, Milano
Annali della Facoltà di Agraria, Università degli Studi di Perugia
Annals of Agricultural Research
Annals of Agricultural Science, Ain Shams University
Annals of Agricultural Science, Moshtohor
Annals of Applied Biology
Annals of Biology
Annals of Botany
Annals of Plant Physiology
Annals of the Missouri Botanical Garden
Annals of Warsaw Agricultural University, Agriculture
Annual Report, Michigan State Horticultural Society
Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
Applied Engineering in Agriculture
Applied Entomology and Zoology
Applied Plant Science
Arable Farming
Arbeiten zur Mechanisierung der Pflanzen- und Tierproduktion
Arbetsrapport, U-landsavdelningen, Sveriges Lantbrukuniversitet
Arboricultural Journal
Arboriculture Fruitière
Archiv der Pharmazie
Archiv für Gartenbau
Archiv für Phytopathologie und Pflanzenschutz
Archiv für Züchtungsforschung
Archives of Biochemistry and Biophysics
Archives of Environmental Contamination and Toxicology
Arhiv za Farmaciju
Arhiv za Poljoprivredne Nauke
Arid Soil Research and Rehabilitation
Arkansas Farm Research
Arnoldia, USA

Arquivos da Universidade Federal Rural do Rio de Janeiro
Arquivos de Biologia e Tecnologia
Arquivos do Instituto Biológico, São Paulo
ASEAN Food Journal
Asparagus Research Newsletter
Aspects of Applied Biology
Atmospheric Environment
Atti Giornate Fitopatologiche
Australasian Plant Pathology
Australian Horticulture
Australian Journal of Agricultural Research
Australian Journal of Botany
Australian Journal of Chemistry
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Australian Salinity Newsletter
Bahçe
Banana Bulletin
Bangladesh Horticulture
Bangladesh Journal of Agriculture
Bangladesh Journal of Scientific and Industrial Research
Bangladesh Journal of Zoology
Begonian
Besseres Obst
Bibliographies and Literature of Agriculture, US Department of Agriculture
Biblioteczka Wiadomośći IMUZ
Biochemical and Biophysical Research Communications
Biochemical Archives
Biochemical Genetics
Biochemical Journal
Biochemical Pharmacology
Biochemical Society Transactions
Biochemical Systematics and Ecology
Biochemie und Physiologie der Pflanzen
Biochemistry
Biochimica et Biophysica Acta, B (Bioenergetics)
Biochimica et Biophysica Acta, L (Lipid and Lipid Metabolism)
Biochimica et Biophysica Acta, P (Protein Structure and Molecular Enzymology)
Biocontrol News and Information
BioCycle
Biologia Plantarum
Biológia, Czechoslovakia
Biologia, Pakistan
Biological Pharmacology
Biological Wastes
Biologicheskii Zhurnal Armenii
Biológico
Biology and Fertility of Soils
Biology of the Cell
Biotechnology and Bioengineering
Biotechnology Letters
Biotekhnologiya & Biotekhnika
Biotronics
Biotrop Special Publication
Biotropica
Biovigyanam
Bitki Koruma Bülteni
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Biuletyn Warzywniczy
Bloembollencultuur
Bodenkultur
Boer en de Tuinder
Boletim da Sociedade Broteriana
Boletim de Pesquisa, Centro de Pesquisa Agropecuária do Trópico Semi-Árido, EMBRAPA, Brazil
Boletim de Pesquisa, Empresa de Pesquisa Agropecuária do Ceará, EPACE, Brazil
Boletim Técnico, Instituto Agronômico, Brazil
Boletín Bibliográfico, INTA, Argentina
Boletín de PROMECAFE
Boletín de Reseñas, Riego y Drenaje, Cuba
Boletín de Sanidad Vegetal, Plagas
Boletín Informativo, Centro de Investigación y Desarrollo Hortícola
Boletín INICA, Instituto Nacional de Investigaciones de la Caña de Azúcar, Cuba
Boletín Técnico, Estación Experimental de Mercedes, Buenos Aires
Bollettino del Laboratorio di Entomologia Agraria "Filippo Silvestri"
Bollettino di Zoologia Agraria e di Bachicoltura, II
Botanica Helvetica
Botanical Bulletin of Academia Sinica, Taiwan
Botanical Gazette
Botanical Journal of the Linnean Society
Botanical Review
Botanicheskii Zhurnal
Bragantia
British Cactus and Succulent Journal
BSES Bulletin, Bureau of Sugar Experiment Station
Buletin Penelitian Hutan, Pusat Penelitian dan Pengembangan Hutan, Indonesia
Buletin Perkebunan
Buletini i Shkencave Bujqësore
Bulletin de l'Académie des Sciences Agricoles et Forestières, Romania
Bulletin de l'OIV
Bulletin de la Société Botanique de France, Lettres Botaniques
Bulletin de la Société Royale de Botanique de Belgique
Bulletin des Recherches Agronomiques de Gembloux
Bulletin OEPP
Bulletin of Entomology
Bulletin of Environmental Contamination and Toxicology
Bulletin of Hokkaido Prefectural Agricultural Experiment Stations
Bulletin of Medico-Ethno-Botanical Research
Bulletin of the Akita Fruit-Tree Experiment Station
Bulletin of the Entomological Society of Egypt, Economic Series
Bulletin of the Faculty of Agriculture, Kagoshima University
Bulletin of the Fruit Tree Research Station, A (Yatabe), Japan
Bulletin of the Fruit Tree Research Station, B (Okitsu), Japan
Bulletin of the Fruit Tree Research Station, C (Morioka), Japan
Bulletin of the Hiroshima Agricultural College
Bulletin of the Institute for Agricultural Research, Tohoku University
Bulletin of the Nara Agricultural Experiment Station
Bulletin of the National Institute of Hygienic Sciences (Eisci Shikenkjo Hokoku)
Bulletin of the National Research Institute of Tea, Japan
Bulletin of the Saitama Horticultural Experiment Station
Bulletin of the Shikoku National Agricultural Experiment Station
Bulletin of the Shizuoka Prefectural Citrus Experiment Station
Bulletin of the Torrey Botanical Club
Bulletin of the University of Osaka Prefecture, B (Agriculture and Biology)
Bulletin of the Vegetable and Ornamental Crops Research Station, A (Ano, Mie)
Bulletin of the Vegetable and Ornamental Crops Research Station, C (Kurume)
Bulletin of the Yamaguchi Agricultural Experiment Station
Bulletin Perkaretan
Bulletin SROP
Bulletin Technique du Machinisme et de l'Equipement Agricoles
Bulletin, College of Agriculture, Utsunomiya University
Bulletin, Department of Agricultural Research, Royal Tropical Institute
Bulletin, Louisiana Agricultural Experiment Station
Bulletin, Mississippi Agricultural and Forestry Experiment Station
Bulletin, Pennsylvania Flower Growers
Bulletin, United Planters' Association of Southern India
Bunda Journal of Agricultural Research
Byulleten' Glavnogo Botanicheskogo Sada
Byulleten' Gosudarstvennogo Nikitskogo Botanicheskogo Sada
Byulleten' Nauchnoĭ Informatsii Tsentral'noĭ Geneticheskoĭ Laboratorii
Byulleten' Poch. Instituta Vsesoyuznoĭ Akademii Sel'skokhozyaĭstvennykh Nauk im. V.I. Lenina
Byulleten' Vsesoyuznogo Instituta Gel'mintologii im. K.I. Skryabina
Café d'Afrique
Café, Cacao, Thé
Cahiers du CTIFL
California Agriculture
California Avocado Society Yearbook
Camellia Journal
Canadian Agricultural Engineering
Canadian Entomologist
Canadian Journal of Botany
Canadian Journal of Chemistry
Canadian Journal of Microbiology
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Canadian Journal of Soil Science
Canadian Plant Disease Survey
Capsicum Newsletter
Caryologia
Cecidologia Internationale
Ceiba
Cenicafé
Centro Agrícola
Cercetări Agronomice în Moldova
Champignon
Chemical & Pharmaceutical Bulletin
Chemistry and Industry
Chemosphere
Chinese Journal of Biological Control
Chinese Journal of Tropical Crops
Chmelařství
Ciencia e Investigación Agraria
Ciencia y Técnica en la Agricultura
CIMAP Newsletter
Circular Técnica, Centro de Pesquisa Agropecuária do Trópico Semi-Árido, EMBRAPA, Brazil
Circular Técnica, Centro Nacional de Pesquisa de Uva e Vinho, EMBRAPA, Brazil

Circular, Louisiana Agricultural Experiment Station
Citrograph
Citrus and Subtropical Fruit Journal
Cocoa Growers' Bulletin
Coconut Bulletin, Sri Lanka
COCOS
Colture Protette
Communications in Soil Science and Plant Analysis
Comparative Physiology and Ecology
Compte Rendu des Essais, UNILEC, Union Nationale Interprofessionnelle des Légumes de Conserve, France
Comptes Rendus de l'Académie Bulgare des Sciences
Comptes Rendus de l'Académie d'Agriculture de France
Comptes Rendus de l'Académie des Sciences, III (Sciences de la Vie)
Comptes Rendus des Séances de la Société de Biologie et de ses Filiales
Computers and Electronics in Agriculture
Comunicado Técnico, CNP Mandioca e Fruticultura
Comunicado Técnico, Empresa Catarinense de Pesquisa Agropecuária, EMPASC, Brazil
Comunicado Técnico, Empresa de Pesquisa Agropecuária do Estado do Rio de Janeiro, EMBRAPA, Brazil
Connaissance de la Vigne et du Vin
Contact Dermatitis
Contraception
CRC Critical Reviews in Plant Sciences
Crop Protection
Crop Research
Crop Science
Cryptogamie, Mycologie
CSIRO Food Research Quarterly
Current Microbiology
Current Research Reporter, Mahatma Phule Agricultural University
Current Research, University of Agricultural Sciences, Bangalore
Current Science, India
Date Palm Journal
Debreceni Agrártudományi Egyetem Tudományos Közleményei
Deciduous Fruit Grower
Dendrologiya Uzbekistana
Dermatologische Monatsschrift
Desert Plants
Deutsche Baumschule
Deutscher Gartenbau
Difesa delle Piante
Dirasat
Dissertation Abstracts International, B (Sciences and Engineering)
Divisional Note, AFRC Institute of Engineering Research, UK
Documentos de Ciencia y Técnica, Instituto Superior de Ciencias Agropecuarias de La Habana
Doğa Türk Biyoloji Dergisi
Doğa, Botanik
Doğa, Türk Tarım ve Ormancılık Dergisi
Doklady Akademii Nauk Azerbaĭdzhanskoĭ SSR
Doklady Akademii Nauk SSSR
Doklady Akademii Nauk Uzbekskoĭ SSR
Doklady Botanical Sciences
Doklady VASKhNIL
Doklady Vsesoyuznoĭ Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaĭstvennykh Nauk Imeni V. I. Lenina
Down to Earth
Economic Botany
Ege Üniversitesi Ziraat Fakültesi Dergisi
Egyptian Journal of Botany
Egyptian Journal of Phytopathology
Ekologiya
Energy in Agriculture
Engenharia Agrícola
Entomology Circular, Division of Plant Industry, Florida Department of Agriculture and Consumer Services
Entomology Newsletter
Entomophaga
Environment and Ecology
Environmental and Experimental Botany
Environmental Entomology
Environmental Pollution
Environmental Toxicology and Chemistry
Erwerbsobstbau
Essenze e Derivati Agrumari
Études et Synthèses de l'IEMVT
Études, Collections de Statistique Agricole, Service Central des Enquêtes et Études Statistiques, Ministère de l'Agriculture, France
Euphytica
European Journal of Biochemistry
Experientia
Experimental Agriculture
Experimental and Applied Acarology
Extension Bulletin, ASPAC Food and Fertilizer Technology Center for the Asian and Pacific Region, Taiwan
Extension Bulletin, Cooperative Extension, College of Agriculture, Washington State University
FABIS Newsletter, Faba Bean Information Service, ICARDA
FAO Plant Production and Protection Paper
FAO Plant Protection Bulletin
Farmatsiya (Moscow)
Farmers Journal
Farmers' Newsletter, Horticulture
Farming Mechanization, Japan
FAST Occasional Paper, Forecasting and Assessment in Science and Technology
FEBS Letters
Fertiliser News
Fertilizer Research
Fertilizers and Agriculture
Fett Wissenschaft Technologie
Financing Agriculture
Fitopatología
Fitopatologia Brasileira
Fitoterapia
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Fiziologiya na Rasteniyata
Fiziologiya Rasteniĭ
Flavour and Fragrance Journal
Florida Entomologist
Florida Foliage
Flortecnica
Folia Entomológica Mexicana
Foliage Digest
Folleto Técnico, Centro de Investigaciones Agrícolas del Norte, Instituto Nacional de Investigaciones Forestales y Agropecuarias, México
FONAIAP Divulga
Food Chemistry
Forest Science and Technology
Forestry Commission Bulletin, UK
Freddo
Fresenius' Zeitschrift für Analytische Chemie
Frugtavleren
Fruit Grower
Fruit Science Reports
Fruit Trees
Fruit Varieties Journal
Fruits
Fruitteelt
FRUT-Revista Fruticultura
Fujian Agricultural Science and Technology
Functional Ecology
Garden, UK
Gardens' Bulletin
Gartenamt
Gartenbau
Gartenbauwissenschaft
Gartner Tidende
Gartneryrket
Gazdálkodás
Gb + Gw
Genetic Manipulation in Crops Newsletter
Genetica Agraria
Genetica Polonica
Genetika i Selektsiya
Genio Rurale
Genome
Geobios, India
Geōrgikē Ereuna
Giornale Botanico Italiano
Godishnik Sofiĭskiya Universitet 'Kliment Okhridski' Biologicheski Fakultet, 2 (Botanika)
Goodfruit Grower
Gordian
Grøn Viden, Havebrug
Grassland of China
Great Lakes Entomologist
Groenten en Fruit
Grower
Grundlagen der Landtechnik
Guayulero
Gujarat Agricultural University Research Journal
Harvest
Haryana Agricultural University Journal of Research
Haryana Journal of Horticultural Sciences
Hassadeh
Helvetica Chimica Acta
Henan Agricultural Science and Technology
Herba Hungarica
Herba Polonica
Hercynia
Highlights of Agricultural Research, Alabama Agricultural Experiment Station
Himachal Journal of Agricultural Research
Hojas de Frijol

Holzforschung und Holzverwertung
HortScience
Immergrüne Blätter
In Vitro Cellular & Developmental Biology
Incompatibility Newsletter
Indian Agriculturist
Indian Cashew Journal
Indian Cocoa, Arecanut & Spices Journal
Indian Coffee
Indian Farming
Indian Food Packer
Indian Forester
Indian Horticulture
Indian Journal of Agricultural Chemistry
Indian Journal of Agricultural Sciences
Indian Journal of Agronomy
Indian Journal of Animal Health
Indian Journal of Biochemistry & Biophysics
Indian Journal of Botany
Indian Journal of Ecology
Indian Journal of Entomology
Indian Journal of Experimental Biology
Indian Journal of Forestry
Indian Journal of Horticulture
Indian Journal of Mycology and Plant Pathology
Indian Journal of Pharmaceutical Sciences
Indian Journal of Plant Pathology
Indian Journal of Plant Physiology
Indian Journal of Plant Protection
Indian Journal of Virology
Indian Journal of Weed Science
Indian Phytopathology
Indian Sugar Crops Journal
Indian Veterinary Journal
Indian Veterinary Medical Journal
Industria Lemnului
Informações Econômicas
Information Bulletin, Citrus and Subtropical Fruit Research Institute, South Africa
Informatore Agrario
Informatore Fitopatologico
Informe Agropecuário
Informe de Investigación, División de Ciencias Agropecuarias y Marítimas, Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico
Infos, Centre Technique Interprofessionnel des Fruits et Légumes, France
Insect Knowledge
Insect Science and its Application
International Camellia Journal
International Journal of Crude Drug Research
International Journal of Environmental Analytical Chemistry
International Journal of Radiation Biology
International Journal of Refrigeration
International Journal of Tropical Agriculture
International Journal of Tropical Plant Diseases
International Nematology Network Newsletter
International Pest Control
International Sugar Journal
International Tree Crops Journal
Introduktsiya i Akklimatizatsiya Rasteniĭ
Investigación Agraria, Producción y Protección Vegetales
Investigaciones Agronómicas, Centro de Investigaciones Agrícolas "Alberto Boerger"
Iraqi Journal of Agricultural Sciences, 'ZANCO'
Irrigation and Drainage Systems
Irrigation Science
Irrigazione e Drenaggio
ISPP Chemical Control Newsletter
Israel Journal of Botany
Italia Agricola
ITEA (Informacion Tecnica Economica Agraria)
Ivy Journal
Izvestiya Akademii Nauk Azerbaĭdzhanskoĭ SSR, Biologicheskikh Nauk
Izvestiya Akademii Nauk Kazakhskoĭ SSR, Biologicheskaya
Izvestiya Akademii Nauk Moldavskoĭ SSR, Biologicheskikh i Khimicheskikh Nauk
Izvestiya Akademii Nauk Tadzhikskoĭ SSR, Biologicheskikh Nauk
Izvestiya Akademii Nauk Turkmenskoĭ SSR, Biologicheskikh Nauk
Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR, Biologicheskikh Nauk
Izvestiya Vysshikh Uchebnykh Zavedeniĭ, Lesnoĭ Zhurnal
Japan Pesticide Information
Japanese Journal of Applied Entomology and Zoology
Japanese Journal of Breeding
Japanese Journal of Crop Science
Japanese Journal of Nematology
Japanese Journal of Tropical Agriculture
Járművek, Mezőgazdasági Gépek
JARQ (Japan Agricultural Research Quarterly)
Jojoba Happenings
Journal de Pharmacie de Belgique
Journal of Advanced Zoology
Journal of Agricultural and Food Chemistry
Journal of Agricultural Engineering Research
Journal of Agricultural Entomology
Journal of Agricultural Meteorology
Journal of Agricultural Research of China
Journal of Agricultural Research, Pakistan
Journal of Agricultural Science in Finland
Journal of Agricultural Science, UK
Journal of Agriculture and Forestry
Journal of Agriculture of the University of Puerto Rico
Journal of Agronomy and Crop Science
Journal of Applied Ecology
Journal of Applied Entomology
Journal of Arboriculture
Journal of Bacteriology
Journal of Bamboo Research
Journal of Beijing Agricultural Engineering University
Journal of Biological Chemistry
Journal of Biological Control
Journal of Biological Sciences Research
Journal of Chromatography
Journal of Climate and Applied Meteorology
Journal of Coffee Research
Journal of Economic Entomology
Journal of Entomological Research
Journal of Entomological Science
Journal of Environmental Quality
Journal of Environmental Science and Health, A (Environmental Science and Engineering)
Journal of Environmental Science and Health, B (Pesticides, Food Contaminants and Agricultural Wastes)
Journal of Ethnopharmacology
Journal of Experimental Botany
Journal of Farming Systems
Journal of Food Science
Journal of Food Science and Technology, India
Journal of Fujian Agricultural College
Journal of Heredity
Journal of High Resolution Chromatography and Chromatography Communications
Journal of Horticultural Science
Journal of Irrigation and Drainage Engineering
Journal of Jiangsu Agricultural College
Journal of Liquid Chromatography
Journal of Maharashtra Agricultural Universities
Journal of Microscopy
Journal of Nanjing Institute of Forestry
Journal of Natural Products
Journal of Natural Rubber Research
Journal of Nematology
Journal of Nuclear Agriculture and Biology
Journal of Pesticide Science
Journal of Pharmaceutical and Biomedical Analysis
Journal of Phytopathology
Journal of Plant Anatomy and Morphology
Journal of Plant Growth Regulation
Journal of Plant Nutrition
Journal of Plant Physiology
Journal of Plant Protection in the Tropics
Journal of Plantation Crops
Journal of Potassium Research
Journal of Research APAU
Journal of Research, Assam Agricultural University
Journal of Research, Punjab Agricultural University
Journal of Scientific and Industrial Research
Journal of Scientific Research in Plants and Medicines
Journal of Seed Technology
Journal of Shenyang Agricultural University
Journal of South China Agricultural University
Journal of Taiwan Museum
Journal of the Agricultural Association of China
Journal of the American Chemical Society
Journal of the American Society for Horticultural Science
Journal of the Arnold Arboretum
Journal of the Australian Institute of Agricultural Science
Journal of the Chinese Association of Refrigeration
Journal of the College of Science and Engineering, National Chung Hsing University
Journal of the Faculty of Agriculture, Hokkaido University
Journal of the Indian Botanical Society
Journal of the Indian Society of Soil Science
Journal of the Japan Wood Research Society
Journal of the Japanese Society for Cold Preservation of Food
Journal of the Japanese Society for Horticultural Science
Journal of the Japanese Society of Agricultural Machinery
Journal of the Korean Society for Horticultural Science
Journal of the Nigerian Institute for Oil Palm Research
Journal of the Oil Technologists' Association of India

*Serial Publications Cited*

Journal of the Royal Society of Medicine
Journal of the Rubber Research Institute of Sri Lanka
Journal of the Science of Food and Agriculture
Journal of the University of Kuwait, Science
Journal of Turkish Phytopathology
Journal, Association of Official Analytical Chemists
Jugoslovensko Voćarstvo
Kartofel' i Ovoshchi
Kenya Coffee
Kertészet és Szõlészet
Kertészeti Egyetem Közleményei
Khimiko-Farmatsevticheskiĭ Zhurnal
Khimiya Prirodnykh Soedineniĭ
Khimiya v Sel'skom Khozyaĭstve
Khmelevodstvo, Kiev
Kholodil'naya Tekhnika
Khranitelno-promishlena Nauka
Kooperation
Korean Journal of Crop Science
Kormoproizvodstvo
Köy Hizmetleri Tokat Araştırma Enstitüsü Müdürlüğü Yayınları, Turkey
Kromosomo
Landtechnik
Latvijas PSR Zinātņu Akadēmijas Vēstis
Leaflet, Ministry of Agriculture, Fisheries and Food, UK
Lesnoe Khozyaĭstvo
Lesovodstvo i Agrolesomelioratsiya
Leucaena Research Reports
Lichno i Pomoshchno Stopanstvo
Lietuvos TSR Mokslų Akademijos Darbai, C (Biologijos Mokslai)
Lindleyana
Lipids
Louisiana Agriculture
Lozarstvo i Vinarstvo
Lucrări Ştiinţifice, Institutul Agronomic "Ion Ionescu de la Brad", Horticultură
Lucrări Ştiinţifice, Institutul Agronomic "Nicolae Bălcescu", B (Horticultură)
Lucrări Ştiinţifice, Institutul Agronomic Timişoara, Agronomie
Lucrările Ştiinţifice ale Institutului de Cercetare şi Producţie pentru Pomicultură Piteşti
Luso: Journal of Science and Technology
Macchine e Motori Agricoli
Macchine e Motori Agricoli-IMA-Il Trattorista
Madras Agricultural Journal
Majalah Perusahaan Gula
Malayan Nature Journal
Malaysian Forester
MARDI Research Bulletin
Mechanizace Zemědělství
Meddelelse, Jordbruksteknisk Institut, Kongelige Veterinaer- og Landbohøjskole
Meddelelse, Statens Planteavlsforsøg
Mededeling, Provinciaal Onderzoek- en Voorlichtingscentrum voor Land- en Tuinbouw Beitem-Roeselare, Belgium
Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent
Meldinger fra Norges Landbrukshøgskole
Memoirs of the College of Agriculture, National Taiwan University
Memoirs of the Faculty of Agriculture, Kagawa University
Menara Perkebunan
Meststoffen
Metodiky pro Zavádění Výsledků Výzkumu do Zemědělské Praxe
Mezhdunarodnyĭ Sel'skokhozyaĭstvennyĭ Zhurnal
Microbiological Sciences
Mikológiai Közlemények
Mikologiya i Fitopatologiya
Mikrobiologicheskiĭ Zhurnal
MIRCEN Journal of Applied Microbiology and Biotechnology
Miscellaneous Publications of the Entomological Society of America
Miscellaneous Reports, Agricultural Research Institute, Cyprus
Mitteilungen der Deutschen Gesellschaft für Allgemeine und Angewandte Entomologie
Mitteilungen der Schweizerischen Entomologischen Gesellschaft
Mitteilungen des Obstbauversuchsringes des Alten Landes
Mitteilungen für die Schweizerische Landwirtschaft
Mitteilungen Klosterneuburg Rebe und Wein, Obstbau und Früchteverwertung
Monograph, British Plant Growth Regulator Group
Moscow University Biological Sciences Bulletin
Moscow University Soil Science Bulletin
Mosonmagyaróvári Mezõgazdaságtudományi Kar Közleményei
Mushroom Journal
Mycoses
Myforest
Mysore Journal of Agricultural Sciences
Nachrichtenblatt des Deutschen Pflanzenschutzdienstes
Nachrichtenblatt für den Pflanzenschutz in der DDR
Nahrung
Nanjing Yaoxueyuan Xuebao
Narendra Deva Journal of Agricultural Research
Naše Liečivé Rastliny
National Academy of Sciences, India, Science Letters
Natural Enemies of Insects
Naturaliste Canadien
Nature, UK
Nauchni Trudove, Gorsko Stopanstvo, Vissh Lesotekhnicheski Institut, Sofiya
Nauchno-Tekhnicheskiĭ Byulleten' Sibirskogo Otdeleniya VASKhNIL
Nauchno-Tekhnicheskiĭ Byulleten' Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Zernobobovykh i Krupyanykh Kul'tur
Nauchno-Tekhnicheskiĭ Byulleten' Vsesoyuznogo Ordena Lenina i Ordena Druzhby Narodov Nauchno-Issledovatel'skogo Instituta Rastenievodstva imeni N. I. Vavilova
Nauchnye Doklady Vysshei Shkoly, Biologicheskie Nauki
Nauchnye Trudy Kirgizskogo Nauchno-Proizvodstvennogo Ob"edineniya po Zemledeliyu
Nauchnye Trudy Vuzov Lit SSR, Biologiya
Nauchnye Trudy, Moskovskiĭ Lesotekhnicheskiĭ Institut
Nauchnye Trudy, Tashkentskiĭ Sel'skokhozyaĭstvennyĭ Institut
Nauchnye Trudy, Vsesoyuznyĭ Nauchno-Issledovatel'skiĭ Institut Farmatsii
Nauchnye Trudy, Vsesoyuznyĭ Nauchno-Issledovatel'skiĭ Institut Gornogo Sadovodstva i Tsvetovodstva
Nauka u Praksi
NBRI Newsletter
Nematologia Brasileira
Nematologia Mediterranea
Netherlands Journal of Agricultural Science
New Phytologist
New York's Food and Life Sciences Bulletin
New York's Food and Life Sciences Quarterly
New Zealand Camellia Bulletin
New Zealand Commercial Grower
New Zealand Journal of Agricultural Research
New Zealand Journal of Experimental Agriculture
New Zealand Soil Bureau Scientific Report
Newsletter ISOPB
Newsletter, Food and Fertilizer Technology Center for the Asian and Pacific Region, Taiwan
Nippon Nogeikagaku Kaishi
Nordic Journal of Botany
Norsk Landbruk
Norsk Landbruksforskning
North Carolina Flower Growers' Bulletin
Norwegian Journal of Agricultural Sciences
Notes from the Royal Botanic Garden Edinburgh
Notiziario di Ortoflorofrutticoltura
Növénytermelés
Növényvédelem
Nucleus, Pakistan
Obstbau
Obstbau Weinbau
Obz. Inf. M-vo Med. Prom-sti. TsBNTI. Lekarstv. Rastenievod.
Occasional Publication, Instituto Superior de Ciencias Agropecuarias de la Habana
Oecologia
Ohio Florists' Association Bulletin
Okhrana, Izuchenie i Obogashchenie Rastitel'nogo Mira (Kiev)
Olea
Oléagineux
Olivæ
Orchardist of New Zealand
Orchid Review
Orchidee
Orchideën
Ovoshcharstvo, Gradinarstvo i Konservna Promishlenost
Ovoshchevodstvo
Ovoshchevodstvo i Bakhchevodstvo
Ovoshchevodstvo, Minsk
Pakistan Journal of Agricultural Research
Pakistan Journal of Botany
Pakistan Journal of Science
Pakistan Journal of Scientific and Industrial Research
Pamiętnik Puławski
Panorama Floricolo
Paper, American Society of Agricultural Engineers
Pédologie
Pemberitaan Penelitian Tanaman Industri
Perfumer & Flavorist
Pertanika
Pesquisa Agropecuária Brasileira
Pesquisa em Andamento, Empresa Capixaba de Pesquisa Agropecuária, EMCAPA, Brazil
Pesquisa em Andamento, Empresa Catarinense de Pesquisa Agropecuária, EMPASC, Brazil
Pesquisa em Andamento, Empresa de Pesquisa Agropecuária do Estado do Rio de Janeiro, PESAGRO-RIO, Brazil
Pest Data Sheet, ASEAN Plant Quarantine Centre and Training Institute

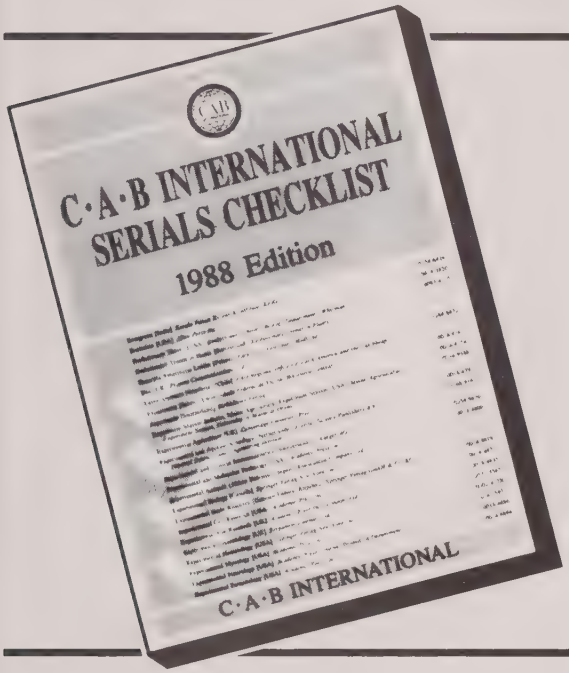
Pesticide Biochemistry and Physiology
Pesticide Science
Pesticides
Pflanzenschutz
Pflanzenschutzberichte
PGRC/E-ILCA Germplasm Newsletter, Plant Genetic Resource Centre/Ethiopia — International Livestock Centre for Africa
Pharmaceutica Acta Helvetiae
Pharmaceutisch Weekblad, Scientific Edition
Pharmazie
Philippine Agriculturist
Philippine Entomologist
Philippine Journal of Crop Science
Photosynthesis Research
Photosynthetica
Physiologia Plantarum
Physiological and Molecular Plant Pathology
Phytochemistry
Phytoma
Phyton, Argentina
Phytoparasitica
Phytopathologia Mediterranea
Phytopathology
Phytophylactica
Phytoprotection
PKV Research Journal
Plant and Cell Physiology
Plant and Soil
Plant Breeding
Plant Cell Reports
Plant Cell, Tissue and Organ Culture
Plant Disease
Plant Disease Research
Plant Foods for Human Nutrition
Plant Genetic Resources Newsletter
Plant Growth Regulator Bulletin
Plant Molecular Biology
Plant Pathology
Plant Pathology Circular, Florida Department of Agriculture
Plant Pathology Newsletter
Plant Physiology
Plant Physiology & Biochemistry, India
Plant Physiology and Biochemistry, France
Plant Physiology Communications
Plant Propagator
Plant Protection
Plant Protection Bulletin, India
Plant Protection Bulletin, Taiwan
Plant Research and Development
Plant Science, Irish Republic
Plant Systematics and Evolution
Plant, Cell and Environment
Planta
Planta Medica
Planter
Planters' Chronicle
Plantes Médicinales et Phytothérapie
Plantsman
Plasticulture
Plodovodstvo
Pochvoznanie, Agrokhimiya i Rastitelna Zashchita
Pol'nohospodárstvo
Poljoprivredna Znanstvena Smotra
PORIM Bulletin, Palm Oil Research Institute, Malaysia
Power Farming, Australia
Prace Instytutu Sadownictwa i Kwiaciarstwa w Skierniewicach, A (Prace Doświadczalne z Zakresu Sadownictwa)
Prace Instytutu Sadownictwa i Kwiaciarstwa w Skierniewicach, B (Rośliny Ozdobne)
Prace Komisji Nauk Rolniczych i Komisji Nauk Leśnych
Prikladnaya Biokhimiya i Mikrobiologiya
Probleme de Genetică Teoretică şi Aplicată
Probleme de Protecţia Plantelor
Problems of Desert Development
Problemy Osvoeniya Pustyn'
Proceedings of the Association for Plant Protection of Kyushu
Proceedings of the Entomological Society of Ontario
Proceedings of the Florida State Horticultural Society
Proceedings of the Indian Academy of Sciences, Plant Sciences
Proceedings of the Indian National Science Academy, B (Biological Sciences)
Proceedings of the National Academy of Sciences of the United States of America
Proceedings, Annual Conference, Agronomy Society of New Zealand
Producţia Vegetală, Cereale şi Plante Tehnice
Producţia Vegetală, Horticultură
Progrès Agricole et Viticole
Progressive Farming
Progressive Horticulture
Prophyta
Protoplasma
Pubblicazione, Istituto di Coltivazioni Arboree, Università di Bologna
Publicação Laboratório de Patologia Vegetal "Veríssimo de Almeida"
Publication, Agriculture Canada
Publication, ICARDA, International Center for Agricultural Research in the Dry Areas
Publikatie, Instituut voor Mechanisatie, Arbeid en Gebouwen, Netherlands
Punjab Horticultural Journal
Punjab Vegetable Grower
Pyrethrum Post
Quarterly Journal of Chinese Forestry
Quarterly Newsletter, Asia and Pacific Plant Protection Commission, FAO, Thailand
Quarterly Newsletter, Tea Research Foundation of Central Africa
Queensland Agricultural Journal
Queensland Journal of Agricultural and Animal Sciences
Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu
RAPA Publication, FAO Regional Office for Asia and the Pacific
Rapport, Institutionen för Trädgårdsvetenskap, Sveriges Lantbruksuniversitet
Rapport, Instituut voor Bodemvruchtbaarheid, Netherlands
Rasen Grünflächen Begrünungen
Rasteniev"dni Nauki
Rastitel'nye Resursy
Report of the Taiwan Sugar Research Institute
Report of the Tokai Branch of the Crop Science Society of Japan
Report, AFRC Institute of Engineering Research, UK
Report, Brace Research Institute, Canada
Report, U.S. Department of Energy
Reporte de Investigación del Instituto de Investigaciones Fundamentales en Agricultura Tropical, Academia de Ciencias de Cuba
Reports of the Central Customs Laboratory, Japan
Research and Development in Agriculture
Research and Development Reporter
Research Bulletin of the Hokkaido National Agricultural Experiment Station
Research Bulletin, University of Agricultural Sciences, Bangalore
Research Circular, Ohio Agricultural Research and Development Center
Research Report Series, Alabama Agricultural Experiment Station, Auburn University
Research Report, Ankara Research Institute for Village Affairs
Research Report, Central TOPRAKSU Research Institute, Ankara
Research Report, Eskişehir Research Institute for Village Affairs, Ankara
Research Report, Georgia Agricultural Experiment Stations
Research Report, Horticulture, An Foras Talúntais
Research Report, Mississippi Agricultural and Forestry Experiment Station
Research Report, Tarsus Research Institute for Village Affairs
Research Reports of the Rural Development Administration, Horticulture, Korea Republic
Research Reports of the Rural Development Administration, Plant Environment, Mycology & Farm Products Utilization, Korea Republic
Revista Brasileira de Ciência do Solo
Revista Ceres
Revista Colombiana de Entomología
Revista Cubana de Farmacia
Revista de Agricultura, Brazil
Revista de Ciências Agrárias, Portugal
Revista de Ciencias Agropecuarias
Revista de Protección Vegetal
Revista Frutícola
Revista INICA (Instituto Nacional de Investigaciones de la Caña de Azúcar)
Revista Theobroma
Revue Agricole et Sucrière de l'Île Maurice
Revue de l'Agriculture
Revue de Nématologie
Revue Horticole
Revue Suisse de Viticulture, d'Arboriculture et d'Horticulture
Rivista della Ortoflorofrutticoltura Italiana
Rivista di Agricoltura Subtropicale e Tropicale
Rivista di Economia Agraria
Rivista di Frutticoltura e di Ortofloricoltura
Rivista di Ingegneria Agraria
Rivista di Viticoltura e di Enologia
Rocznik Dendrologiczny
Roczniki Akademii Rolniczej w Poznaniu, Rozprawy Naukowe
Roczniki Gleboznawcze
Rostlinná Výroba
Rubber Board Bulletin
Rural Newsletter
Rural Research
SAAS Bulletin, Biochemistry and Biotechnology
Sadovodstvo i Vinogradarstvo
Sadovodstvo, Kiev
Sadovodstvo, Moscow

Sadovodstvo, Vinogradarstvo i Vinodelie Moldavii
Sborník Mechanizační Fakulty VŠZ Praha
Sbornik Nauchnykh Trudov Armyanskiĭ Otdel Vsesoyuznogo Botanicheskogo Obshchestva
Sbornik Nauchnykh Trudov Gosudarstvennogo Nikitskogo Botanicheskogo Sada
Sbornik Nauchnykh Trudov po Prikladnoĭ Botanike, Genetike i Selektsii
Sbornik Nauchnykh Trudov, Tadzhikskiĭ Nauchno-Issledovatel'skiĭ Institut Sadovodstva Vinogradarstva i Ovoshchevodstva
Sbornik Nauchnykh Trudov, Vsesoyuznyĭ Nauchno-Issledovatel'skiĭ Institut Sadovodstva Imeni I. V. Michurina
Sborník ÚVTIZ, Genetika a Šlechtění
Sborník ÚVTIZ, Ochrana Rostlin
Sborník ÚVTIZ, Zahradnictví
Scandinavian Refrigeration
Schriftenreihe der GTZ, Deutsche Gesellschaft für Technische Zusammenarbeit, German Federal Republic
Schweizerische Zeitschrift für Obst- und Weinbau
Scientia Agricultura Sinica
Scientia Horticulturae
Scientia Silvae Sinicae
Scientific Journal of Agriculture
Scripta Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis
Seed Research
Sel'skoe Khozyaĭstvo Moldavii
Sel'skoe Khozyaĭstvo Tadzhikistana
Sel'skoe Khozyaĭstvo Uzbekistana
Selektsiya i Semenovodstvo, Moscow
Selskostopanska Nauka
Selskostopanska Tekhnika
Sementi Elette
Sexual Plant Reproduction
Shanghai Agricultural Science and Technology
Shelk
Shoyakugaku Zasshi
Sibirskiĭ Vestnik Sel'skokhozyaĭstvennoĭ Nauki
Simiente
Singapore Journal of Primary Industries
SMARC Monitor, Southern Mindanao Agricultural Research Center
Social and Economic Studies
Soil Biology & Biochemistry
Soil Science
Soil Science and Plant Nutrition
Soil Science Society of America Journal
Soil Use and Management
Soilless Culture
Solar Energy
Soobshcheniya Akademii Nauk Gruzinskoĭ SSR
South African Journal of Botany
South African Journal of Plant and Soil
South African Orchid Journal
South African Sugar Journal
South Indian Horticulture
Soviet Plant Physiology
Special Publication, CSSA
Sri Lanka Journal of Tea Science
Stain Technology
Staudengarten
Studia Botanica
Subtropicheskie Kul'tury
Sugar y Azúcar
Sugarcane
Summa Phytopathologica
Suo
Svensk Botanisk Tidskrift
Taiwan Agriculture Bimonthly
Taiwan Journal of Veterinary Medicine and Animal Husbandry
Taiwan Sugar
Taxon
Tea
Technical Bulletin, Agricultural Research Institute, Cyprus
Technical Bulletin, Faculty of Horticulture, Chiba University
Technical Bulletin, Ministry of Agriculture, Fisheries and Natural Resources, Reduit Mauritius
Technical Bulletin, Mississippi Agricultural and Forestry Experiment Station
Technical Document, Asia and Pacific Plant Protection Commission, FAO
Technical Memorandum, Institute of Biological Resources, Division of Water and Land Resources, CSIRO
Technical Report, Caroni Research Station
Tecnica Agricola
Tegniese Mededeling, Departement van Landbouw en Watervoorsiening, South Africa
Tennessee Farm and Home Science
Terra e Sole
Terra e Vita
Tests of Agrochemicals and Cultivars
Tetrahedron
Tetrahedron Letters
Thai Journal of Agricultural Science
Tidsskrift for Planteavl
Toxicon
Transactions of Indian Society of Desert Technology
Transactions of the ASAE, American Society of Agricultural Engineers
Transactions of the Illinois State Horticultural Society
Transactions of the LSKhA, Latvian Agricultural Academy
Tree Physiology
Trends in Biochemical Sciences
Trends in Biotechnology
Trends in Ecology and Evolution
Tri-ology Technical Report
Tropenlandwirt
Tropical Agriculture, UK
Tropical Grain Legume Bulletin
Tropical Pest Management
Tropical Science
Trudy Akademii Nauk Litovskoĭ SSR, B
Trudy Kubanskogo Sel'skokhozyaĭstvennogo Instituta
Trudy Latviĭskoĭ Sel'skokhozyaĭstvennoĭ Akademii
Trudy Nauchno-Issledovatel'skogo Instituta Sadovodstva, Vinogradarstva i Vinodeliya Imeni R. R. Shredera
Trudy Nikitskogo Botanicheskogo Sada
Trudy Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Êfiromaslichnykh Kul'tur
Trudy, Kubanskiĭ Sel'skokhozyaĭstvennyĭ Institut
Trudy, Ural'skiĭ Nauchno-Issledovatel'skiĭ Institut Sel'skogo Khozyaĭstva
Trudy, Vitenskaya Plodoovoshchnaya Opytnaya Stantsiya
Türkmenistan SSR Ylymlar Akademijasynyn Habarlary, Biologik Ylymlaryn
Turrialba
Two and a Bud
UAS Technical Series, University of Agricultural Sciences, India
Uchenye Zapiski Tartuskogo Universiteta
Ugeskrift for Jordbrug
Ukraïns'kiĭ Botanichniĭ Zhurnal
UNILEC Informations, Union Nationale Interprofessionnelle des Légumes de Conserve, France
UPASI Handbook of Tea Culture
USSR Patent
Vakblad voor de Bloemisterij
Växtskyddsnotiser
Vedecké Práce Výskumného Ústavu Ovocných a Okrasných Drevín v Bojniciach
Verbondsnieuws voor de Belgische Sierteelt
Vestnik Belorusskogo Universiteta
Vestnik Moskovskogo Universiteta, 16 (Biologiya)
Vestnik Sel'skokhozyaĭstvennoĭ Nauki Kazakhstana
Vestnik Sel'skokhozyaĭstvennoĭ Nauki, Baku, Azerbaidzhan SSR
Vestnik Sel'skokhozyaĭstvennoĭ Nauki, Moscow, USSR
Vestsī Akadèmīī Navuk BSSR, Bīyalagīchnykh Navuk
Veterinariya, Moscow
Vida Rural
Vignevini
Vinodelie i Vinogradarstvo SSSR
Vinogradarstvo i Vinodelie SSSR
Vīsnik Sīl's'kogospodars'koï Nauki
Viti
Vitis
Water Quality Bulletin
Water, Air, and Soil Pollution
Weed Research, Japan
Weed Research, UK
Weed Science
Weed Technology
Weinwissenschaft
Yakugaku Zasshi
Yaowu Fenxi Zazhi
Yaoxue Xuebao
Yearbook, South African Avocado Growers' Association
Yunnan Agricultural Science and Technology
Zashchita Rasteniĭ, Minsk
Zashchita Rasteniĭ, Moscow
Zaštita Bilja
Zbornik Biotehniške Fakultete Univerze Edvarda Kardelja v Ljubljani, Kmetijstvo
Zeitschrift für Angewandte Zoologie
Zeitschrift für Naturforschung, B (Chemical Sciences)
Zeitschrift für Naturforschung, C (Biosciences)
Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz
Zemědělská Technika
Zentralblatt für Mikrobiologie
Zeszyty Naukowe Akademii Rolniczej im. Hugona Kołłątaja w Krakowie, Ogrodnictwo
Zeszyty Naukowe Akademii Rolniczej im. Hugona Kołłątaja w Krakowie, Rozprawa Habilitacyjna
Zeszyty Naukowe Akademii Rolniczej w Szczecinie, Rolnictwo

Zhejiang Agricultural Science
Zhongguo Shiyongjun (Edible Fungi of China)
Zöldségtermesztési Kutató Intézet Bulletinje

# CAB INTERNATIONAL SERIALS CHECKLIST 1988

An update of the popular database guide to all journals, serial publications and annual reports abstracted for the CAB ABSTRACTS database.




## *NEW EDITION*

## *NOW AVAILABLE*

Contents include:

- Titles of Serials
- Titles of Annual Reports
- Titles of Conference Proceedings
- Index of ISSN's
- List of publishers with addresses

ISBN 0 85198 606 4
(1988)

£30.00 UK US$63.00 Americas £33.00 Elsewhere

To place an order contact:

CAB International
Wallingford
Oxon OX10 8DE
UK
Telephone: (0491) 32111
Telex: 847964 (COMAGG G)
Telefax: (0491) 3350

CAB International
North America
845 North Park Avenue
Tucson, Arizona 85719, USA
Telephone: 800/528−4841
(toll-free)
602/621−7897

# C·A·B INTERNATIONAL INFORMATION SERVICES

## PRODUCTS AND SERVICES

Almost 100 scientists/linguists in the 11 Bureaux of CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 10000 serials and many other publications are scanned, and approximately 130000 bibliographic records are compiled each year. From this computerized database is derived a wide range of information services and products in hard copy and machine-readable form, designed to meet a variety of customer needs.

### HARD COPY PRODUCTS

**Abstract journals**

The following abstract journals on specific disciplines, specialist crops or products, or particular livestock are published, mostly monthly or quarterly. Each has author and subject indexes, cumulated annually in a special issue of the journal.

**Animal Science and Production**
*Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts & Reviews, Series B-Livestock Feeds & Feeding; Pig News & Information; Poultry Abstracts.*

**Veterinary Science and Parasitic Diseases**
*Animal Disease Occurrence; Helminthological Abstracts, Series A-Animal & Human Helminthology; Index Veterinarius; Protozoological Abstracts; Review of Applied Entomology, Series B-Medical & Veterinary; Review of Medical & Veterinary Mycology; Small Animal Abstracts; Veterinary Bulletin.*

**Crop Science and Production**
*Cotton & Tropical Fibres Abstracts; Crop Physiology Abstracts; Faba Bean Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation & Drainage Abstracts; Lentil Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Growth Regulator Abstracts; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils & Fertilizers; Sorghum & Millets Abstracts; Soyabean Abstracts; Tropical Oil Seeds Abstracts; Wheat, Barley & Triticale Abstracts.*

**Forestry**
*Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.*

**Crop Protection**
*Biocontrol News & Information; Helminthological Abstracts, Series B-Plant Nematology; Review of Applied Entomology, Series A-Agricultural; Review of Plant Pathology; Weed Abstracts.*

**Economics, Development and Sociology**
*Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; Rural Extension, Education & Training Abstracts; World Agricultural Economics & Rural Sociology Abstracts.*

**Machinery and Buildings**
*Agricultural Engineering Abstracts.*

**Human Nutrition**
*Nutrition Abstracts & Reviews Series A-Human & Experimental.*

**Biotechnology/Biodeterioration**
*AgBiotech News & Information; Biodeterioration Abstracts.*

Also published is a new series of current awareness publications (CAB Prompts) on specific crops. Subject indexes are not provided. Titles in the series so far are: *Groundnuts* and *Chickpeas/Pigeonpeas*.

Many retrospective compilations of abstracts (Annotated Bibliographies) on various topics are available on demand.

**SDI Service**

SDI (Selective Dissemination of Information) is a regular current awareness service based on the most recent input to the database. Subscribers decide their own search profile and receive search results at intervals of their own choice, either as computer printout or on floppy discs suitable for most microcomputers. Airmail ensures fast delivery.

**CAB Alerts**

This is a special SDI service providing subscribers each month with the search results from standard profiles chosen by CABI. Numerous titles are available and the list is regularly updated to reflect new subject interests. Output is available on computer printout posted by airmail.

### MACHINE-READABLE PRODUCTS AND SERVICES

**Online Access**

The machine-readable database, known as CAB ABSTRACTS, is publicly accessible online through DIALOG Information Services (USA), BRS Information Technologies (USA), ESA-IRS (Italy), DIMDI (GFR), JICST (Japan), CAN-OLE (Canada) and Tsukuba Daigaku (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Online Manual, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1988).

**Magnetic tapes**

Organizations with access to mini or mainframe computers may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes as required.

### OTHER PRODUCTS AND SERVICES

**Document Delivery Service**

Photocopies of originals of most articles included in the database are available from CABI Library Services, Silwood Park, Ascot, UK. Documents may also be ordered online via DIALOG's DIALORDER or ESA/IRS's PRIMORDIAL.

**Books and serial publications**

CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research, Index of Current Research on Pigs, Distribution Maps of Pests, Distribution Maps of Plant Diseases, Bibliography of Systematic Mycology, Descriptions of Pathogenic Fungi & Bacteria, Index of Fungi,* and *Systema Ascomycetum*. CABI is a co-sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts*.

For further information, contact:

**CAB International**
Wallingford, Oxon OX10 8DE, UK
Telephone: (0491) 32111
Telex: 847964 (COMAGG G)
Telefax: (0491) 33508
*or*
**CAB International**
845 North Park Avenue
Tucson, Arizona 85719, USA
Tel: 800/528-4841 (Toll-free) or 602/621-7897
*or*
**The Maruzen Company Limited** (sole agent in Japan)
P.O. Box 5050 Tokyo International
100-31, Japan

RPP
RMVM
IB
IF

Printed by Unwin Brothers Ltd., The Gresham Press, Old Woking, Surrey, U.K.

C·A·B INTERNATIONAL
Wallingford, Oxon OX10 8DE, UK
Telephone: (0491) 32111 Telecom Gold/ Dialcom: 84: CAU001
Telex: 847964 (COMAGG G) Fax: (0491) 33508

**Director General:** Don Mentz BAgrSci, BEcon
**Director, Information Services:** J.R. Metcalfe MA, PhD, DIC, DTA
**Director, Scientific Services:** D.J. Greenland MA, DPhil, DAgSc, FIBiol
**Director, Systems:** J.H. Gilmore BSc, MACS
**Director, Administrative Services:** T. Martin FCA

**The Organization**
CAB International (CABI) is a not-for-profit, intergovernmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 28, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

**Information Services**
The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

Agricultural Economics
Animal Breeding & Genetics
Animal Health
Dairy Science & Technology
Nutrition
Pastures & Field Crops
Crop Protection
Horticulture & Plantation Crops
Plant Breeding & Genetics
Soils
Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services worldwide (see inside back cover for details).

**Scientific Services**
CABI's Scientific Services consist of four Institutes and two support services:

*CAB International Institute of Entomology (CIE),* Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

*CAB International Mycological Institute (CMI),* Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

*CAB International Institute of Parasitology (CIP),* Director Dr R. Muller, located at Winches Farm, St. Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

*CAB International Institute of Biological Control (CIBC),* Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

*Development Services* (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

*Library Services*, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

**Systems**
The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and PAGER for typesetting and information retrieval.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

Copyright
© CAB International, 1989. All rights reserved. No part of this publication may be reproduced in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise, without the prior permission of the copyright owner.